JAWWAD PATEL

Inventor | Scientist | Innovator | Forbes 30u30 | TEDx Speaker | Influencer

National Award, Excellence in Research & Innovation, Government of India

Diana Award, Excellence in Social Innovation, Government of UK

B-Tech, E.C.E (JNTUH), PGD, MV HMX (Harvard University)

**Status Quo :
Innovation Specialist,
R&D Scientist**

- Research Projects : 80+
- © Patents : 2
- Research Papers : 40+
- Pilot Products : 13+
- Awards & Honors : 60+

⚙ INNOVATED PRODUCTS:

- Buckl-X (COVID-19)
- Dewdrop (AWG)
- Smart Helmet
- Epidermus
- Agri-Tech
- Gluco-Ball
- Thompson Driver
- Android HMI
- IoT- Go Kart
- Omni-X (IoT)
- Wind Tunnel Simulator
- J-SAT (Satellite)
- ASD-8/1 Ltr (COVID-19)
- UV-C Chamber (COVID-19)

Date of Birth : 22/10/1993
Nationality: Indian

Passport No. : XXXXX
Date of Issue: XXXXX
Date of Expiry: XXXXX

Marital Status: Single

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Mob: +91 XXXXX

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EXPERIENCE AND EXPERTISE IN

- Innovation, Research & Development
- Process Improvement & Optimization
- Product Development
- Design Technology & IoT
- Product Improvement & Strategy
- Design Thinking & SOP's
- New concepts, Experimentation, and Prototypes
- Test, Verification and QA
- Patent Analysis & Technical Writing
- Resource & Asset Allocation

CAREER OBJECTIVE

Seeking a position to utilize my abilities to design and develop an innovative technology for tomorrow.

A QUICK GLANCE

- Been involved in research & innovation since very young age and has innovated number of innovative products.
- Recipient of "National Award *Excellence in Research & Innovation*" – The highest civilian award for youth in India from Government of India.
- Keynote speaker at TEDx VNRVJIET, TEDx SVNIT, national and international conferences at IIT's, NIT's, All India Radio, universities and in other Government and private institutions and organizations.
- Got featured in Forbes India magazine 30 under 30 list in science, The Digit magazine, The Science reporter & other reputed magazines.
- Research work got published in both international and national scientific journals and magazines.
- Incredibly proactive in research and innovation in the fields of electronics, medical device & health care, energy, automation, space exploration, Internet of Things, product development and computing.
- Worked with new-age materials such a graphene and state of the art substances like Carbon-Nano-Tubes etc.
- Researched extensively in the disciplines of Photonics, especially in the domains of Edema, Early Stage Breast Cancer Detection Device and Non Invasive Medical Technology.
- Worked on new-age technologies like AI (Artificial Intelligence), 3D printing and ML (Machine Learning).
- Featured in Tamil movie "HERO"
- Featured and Interviewed in over 250+ media portals in about 50+ countries across different streams : Print, Radio, TV and Web
- Mentor and Advisory Board Member in Colleges, Universities and Corporate firms.
- Has aligned work and impact with the Sustainable Development Goals (SDG's) by the United Nations Development Programme.

- Recipient of National Award Excellence in Research & Innovation from Government of India – The Highest Civilian Award for Youth in India.
- Recipient of Prestigious The Diana Award 2019 in Research and Innovation from Government of United Kingdom.
- Forbes 30 Under 30 Special mention in Science from Forbes India.
- Recipient of The Green Innovator Award 2020 from Legasis Pvt Ltd.
- Recipient of The Unsung Award 2020
- Recipient of The Global Nagpur Award 2019 in the category of Science and Technology.
- Recipient of International Exemplary Research and Performance Award 2018 Excellence in Medical Research and Innovation from International Society for Contemporary Medical Research and All India Institutes of Medical Sciences (AIIMS), New Delhi.
- Recipient of Prestigious Zee Award 2018 Excellence in Science and Technology from Zee Media Group & Essel Vision Productions, Mumbai.
- Recipient of Prestigious Loksatta Tarun Tejankit Award in Science 2017-18 Excellence in Science from Loksatta Media Group.
- Recipient of Young Innovator Award from VIT University by His Excellency Ambassador of His Majesty - The King of Morocco, Shri. Ravichandran Purushothaman, President of Danfoss, Vice Chancellor and Vice President, Vellore Institute of Technology.
- Recipient of Prestigious Inquilab Award 2018 – Extraordinary Achievements in Scientific Innovations from Inquilab Media Group and Mid Day Infomedia, Mumbai.
- Recipient of Prestigious Youth Inspirator Award Excellence in Science, Technology and Engineering from YIN – Young Inspiration Network and Sakal Media Group.
- Recipient of Dr APJ Kalam Yuva Ratna Award Excellence in Research and Development, from YIIF, Haryana.
- Recipient of The Water Saviour Award 2018 from CMR Institution Hyderabad.
- Recipient of Young Scientist Award from Government of Telangana and Telangana State Council of Science and Technology.
- Recipient of Young Scientist Award from Vidarbha Welfare Association, Mumbai.
- Recipient of Shan-E-Millat Award 2018 from Millat Foundation.
- Honoured and Invited as Youngest Scientist at All India Radio (A.I.R) – Aakashwani.
- Recipient of Shan-E-Millat Sammanit Chinh 2017 from Millat Foundation.
- Winner of Best Innovation Award 2016 Electric Solar Car Championship, Organized by ISIE, Noida.
- Felicitated as Best Student of the Year with Token of appreciation 50,000/- from Lords Institute of Engineering & Technology, Hyderabad.
- Honoured as Student Scientist while working on Pico Satellite (Under I.S.R.O Student Satellite Program)
- Honoured with Student Scientist Award 2016
- Winner of Best Innovative Engineer Award 2016
- Winner of Creative Mind Student Award 2015
- Honoured as Youngest Patentee of University.
- Winner of Best Circuit Designer 2015 – National Level Event at Shri Nidhi Institute, Hyderabad.
- Winner of Robotics Competition 2013
- Winner of Best Circuit Designer 2012
- Winner of Best PCB Designer 2012
- Winner of Circuit Designing Championship 2012
- Selected for the Final Round of Circuit Designing Championship 2011
- Best Science Project Award 2007,2008, 2010 (Govt of Maharashtra)
- Best Student Award 2010 from M.B Convent, Akola.

DEWDROP

AUTOMATIC SANITIZER DISPENSER
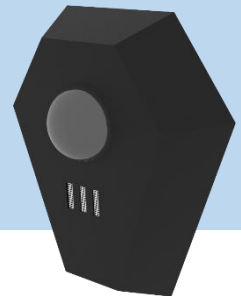
SMART HELMET KIT

EPIDERMUS

GLUCOBALL

AL-HMI SYSTEM

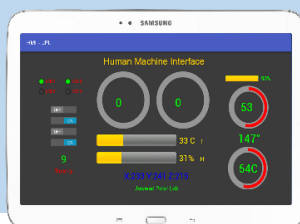OMNI-X

MONOPLANE DASH

BUCKL-X

IoT GO-KART DASH

AGRI-TECH

UVen

HMI App

AUTOMATIC SANITIZER DISPENSER (ASD 2.0)

© Patents

- System And Method For Converting Air Into The Water Through Condensation
- Wearable safety and security device and Method for motorcycle rider

⚙ 9 Years of Experience in Innovation & Product Development

- Dewdrop : Asia's First 3d Printed Intuitive Atmospheric Water Generator.
- Buckl-X : Method of emitting powerful oxidizer to reduce colony formation of SARS-CoV-2 (COVID-19 Product)
- ASD & AST : Automatic Liquid Sanitizer Dispenser and Tunnel with Temp. Detection (COVID-19 Product)
- UVen : UV-C Chamber for Sanitizing entities. (COVID-19 Product)
- Smart Helmet : Smart Safety Kit for Motorcycle Rider and Vehicle.
- Epidermus : Early Stage Breast Cancer Lump Detection Apparatus.
- Gluco-Ball : Non-invasive blood sugar monitoring apparatus.
- Agri-tech : Plant Health Monitoring Device with Automatic Water and Manure Sprinkler.
- Android HMI : Android based Human Machine Interface Application (Wireless Data Monitoring)
- Solar Car : A Solar Powered Car with high efficient performance.
- Go Kart : World Frist Internet of Things Based Go-kart with multiple Sensor Interfaced
- Omni-X (IoT) : A Multipurpose Internet of Things based Hub for Home as well as Industrial Automation,
- JP Official : Personal Brand Mobile Application and Official Website
- Dash Controls for Mono-Pilot Aircraft

💼 Work Domains

- Energy
- Automation & IoT
- Water
- Medical Devices
- Agriculture Tech
- Space Tech

📐 On going projects

Project	Status
Non-Invasive COVID Test	Status: 08%
Early Stage Cancer Detection	Status: 22%
Pico Satellite	Status: 77%
Self landing Rockets (VTVL)	Status: 64%
Vital Health Monitor via Breath	Status: 19%
Autonomous Vehicle (AV)	Status: 29%

💻 Software skill

DEVELOPMENT ENV.

- Arduino
- Processing
- MATLAB
- Code Blocks
- Dev C
- Kiel
- Pycharm
- Atom
- AVR Studio
- Microsoft D. Studio
- Android D. Studio
- Lab View

CIRCUIT DESIGN

- Dip Trace
- Proteus
- Electric VLSI
- Microwind
- Visual TCAD
- Tanner EDA

3D DESIGN

- Google Sketch
- Autodesk Inventor
- SolidWorks
- Creo
- Corel Draw
- Photo Shop

OFFICE ASSIST

- MS Office
- Adobe Page Maker
- Portfolio Designing
- Management

</> E-Languages

- C
- C++
- Python
- GO Lang
- Assembly
- Android
- Java Script
- Rust
- Java
- C# .NET
- HTML & CSS3
- PHP MYSQL

⊣⊢ Hardware Skill

- Circuit Layout Designing
- Schematic Designing
- CMOS Design
- VLSI Design
- 3D Designing and Printing
- Printed Circuit Board Manufacturing

⚙ Project Management Experience in Innovation and R&D

Sr. No	Project Name	Description	Start	End	Total Duration (In Months)
1	Smart Helmet	Wearable Safety and security device for bike rider	March, 2011	October, 2012	19 Months
2	Thompson Crown	Industrial Driver	August 2012	February 2013	6 Months (2 Months overlap)
3	DTMF Module	Multistate Module	October 2013	January 2014	3 Months
4	Agri Tech	Smart Agriculture System	January 2014	March 2015	14 Months (1 Month overlap)
5	Wind Tunnel	Simulator for Automobile Aerodynamics	February 2015	May 2015	3 Months (1 Month overlap)
6	Solar Powered Car	Solar Vehicle	April 2015	March 2016	11 Months (1 Month overlap)
7	Android HMI	Human Machine System for Smart Vehicle Interface	September 2015	February 2016	5 Months overlap
8	Dewdrop	Atmospheric Water Generator	October 2014	August 2016	22 Months (16 Months overlap)
9	Omni-X	IoT Module with Artificial Intelligence	October 2016	April 2017	7 Months
10	IoT Based Vehicle	Smart Vehicle with integrated IoT and AL System	November 2016	March 2017	5 Months overlap
11	Epidermus	Early stage breast cancer detection device	November 2016	October 2018	23 Months (4 Months overlap)
12	GlucoBall	Non-invasive blood sugar detection apparatus	June 2018	October 2019	16 Months (5 Months overlap)
13	Buckl-X	Oxidizer emitter for COVID Control	February 2020	April 2020	3 Months
14	ASD, AST and UVen	COVID Control Equipment	July 2020	August 2020	2 Months
15	Pontem	Smart charging System	December 2020	February 2021	3 Months

⚙ Advisory Experience

- Ecosystem Expert @ B.C, Delhi, India.
- Member of the Board of Advisors @ EDIIC, LNCT University, Bhopal, India.
- Mentor & Technology Development Specialist @ Lords E-Cell, Hyderabad, India.
- Mentor & Product Specialist @ Bakhtiyar Naturals Pvt. Ltd, India.
- Mentor @ TBI, L.I.E.T, Hyderabad
- Tech Mentor, School of Engineering, JLU, Bhopal, India

🎓 Education

- Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad.
- PGDMV, HMX, Harvard University, Boston, Massachusetts, USA.
- Intermediate in Science from Aurangabad Division, Maharashtra State Board of Secondary and Higher Secondary Education, Pune.
- Secondary Schooling from M.B Convent, Akola, Maharashtra, India.

☑ Certified

- Python
- Java Script
- Android
- MATLAB
- PHP MYSQL
- HTML & CSS3

- Golang
- C#/.Net
- C
- C++
- Rust
- Java

- Pro Engineer Creo – 3D Designing
- SolidWorks – 3D Design and Simulation
- Circuit Layout/Schematic Designing – DipTrace
- Embedded Electronics (Analog and Digital)
- MS Office (Maharashtra State Certificate Information Technology)
- Intermediate in Drawing, Art Directorate, Govt. of Maharashtra

👤 Personality   🗛 Languages   🌸 Hobbies

- Supreme Workaholic
- Extremely Punctual
- Pedant
- Mission Oriented
- Staunch

- English - Full Professional Proficiency
- Hindi - Native
- Marathi - Working Proficiency
- Urdu – Native
- Arabic - Moderate

- Shopaholic
- Travelling
- Swimming
- Amateur Writing

🎤 Speaker   👥 Mentoring

- TEDx Talk
- IIT Kharagpur
- IIT Roorkee
- IIT Gandhinagar
- IIT –BHU Varanasi
- KIIT – Bhubaneswar
- NIT - Trichy

- NIT - Surat
- NCSI Conference, Pune
- HBTU, Kanpur
- CMR Institute, Hyderabad
- Jagran Lakecity University - Bhopal
- National Youth Festival, Noida
- And at many other Govt. & Pvt. Institutions

- Innovation Mentoring
- Business Mentoring
- Brand Mentoring
- Product Development and Mentoring
- Strategy and Planning
- Project Management

☎ Contact

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Jawwad Khizar Patel,
XXXX

Address 2 : Akola
Jawwad Khizar Patel,
XXXX

Business Card   Google Profile

Jawwad Patel
Indian inventor

Born: 22 October 1993 (age 26 years)

Profiles
Twitter   Facebook   Instagram   LinkedIn

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