DEV SAVLA

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SKILLS

Languages: C, C++, Embedded C, Python, Java, Javascript, Dart   **Frameworks:** Flutter
Embedded Systems: Arduino, Raspberry Pi, NodeMCU, ESP-32, ESP8266, µC/µP interfacing with I/O devices
Computer Vision: OpenCV   **Miscellaneous:** Git, Adobe Fusion 360, Fritzing, Linux
Additional: HTML, CSS, SQL, PL/SQL, VBSCRIPT, ADODB, Visual Studio, ASP

EDUCATION

DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING - BE Computer Engineering	**2018 – 2021**
Microprocessor, Data Structures, Robotics	CGPA 9.7
SHRI BAGHUBHAI MAFATLAL POLYTECHNIC - Diploma in Computer Engineering	**2015 – 2018**
Embedded Systems, Network Administration, DBMS	94.00%
UTPAL SANGHVI SCHOOL - SSC	**2002 – 2015**
Inspire Award Winner, Football Team, Felicitated for performance in Science and French	94.40%

PUBLICATIONS

Patent Pending - Smart Networked Street Lighting System Using Non-Conventional Energy Sources	**Filed: 17th January 2020**
India Application Number: 202021002151	
Stress and Anxiety Analysis using IoT and Deep Learning	**ICECA 2020**
Presentation Done (Publication Pending)	
ResQ – Smart Safety Band - Automated heart rate and fall monitoring system for women safety and elderly care	**ISMAC 2020**
Presentation Done (Publication Pending)	
IoT and ML based Smart System for Efficient Garbage Monitoring - Real Time AQI Monitoring and Fire Detection for dump yards and Garbage Management System	**ICSSIT 2020**
DOI: 10.1109/ICSSIT48917.2020.9214202	
Virtual Farmer - Real Time Crop Prediction and Automatic Irrigation System	**ICCCNT 2020**
DOI: 10.1109/ICCCNT49239.2020.9225686	
Brainy Streets – An Automatic Street Lighting System	**ICISC 2018**
DOI: 10.1109/ICISC.2018.8399064	

PROJECTS

Smart Safety Band for women and elderly (Final Year Project) using ESP8266, Updated Means and Django - Report - github.com/DevSavla/ResQ
Junk Police - AQI monitoring and fire detection for dump yards - github.com/DevSavla/Junk-Police
Virtual Farmer - Crop prediction using IoT and ML - github.com/DevSavla/Virtual-Farmer
Brainy Street-Automated street lighting and traffic mapping system - github.com/DevSavla/Brainy-Streets - www.youtube.com/watch?v=GJzvm7ehqp4

EXPERIENCE

Eduprime Robotics - Research and Development Intern	**September 2020 - November 2020**
Researched about novel applications of robotics and developed robotics kits.	Eduprime Robotics
Kusum Engineering Works - Circuit Design and Electrical Design Intern	**September 2019 - April 2020**
Worked on designing PCBs and developing Electrical Circuit Prototypes.	KEW Electricals
Omic Healthcare - Hardware Engineering Intern	**June 2019 - August 2019**
Developed an IoT based Grade-I Medical Device Prototype.	Omic.health

POSITIONS OF RESPONSIBILITY

Technical Co-Committee Head of DJ ACM, the DJ Sanghvi Student Chapter of the international ACM.
Member of the International Press at KC College's Model United Nations (Photography).

AWARDS AND ACCOLADES

Placed third at the CodeShastra 6.0 Hackathon at DJ Sanghvi, Mumbai.	**March 2020**
Won the Lines of Code 2.0 Hackathon at DJ Sanghvi, Mumbai.	**February 2020**
Placed second at the SRM Hackathon 4.0 at SRM, Chennai.	**October 2019**
Won the Smart Mobility Hackathon by Here Technologies.	**July 2019**

EXTRACURRICULARS

Mentor at the Multi-Tech Hackathon 2020 at Shri Baghubhai Mafatlal Polytechnic.	**March 2020**
Conducted a 1-day hands on IoT Workshop at Shri Baghubhai Mafatlal Polytechnic.	**January 2020**