

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, ESP-NOW, 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

STANFORD UNIVERSITY - Master of Science in Mechanical Engineering

Incoming Student

DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING - Bachelor of Engineering in Computer Engineering

Microprocessor | Data Structures | Robotics

2018 - 2021

CGPA: 9.87

SHRI BAGHUBHAI MAFATLAL POLYTECHNIC - Diploma in Computer Engineering

Embedded Systems | Network Administration | DBMS

2015 - 2018

94.00%

UTPAL SANGHVI SCHOOL - SSC

[Inspire Award Winner](#) | Football Team | Felicitated for performance in Science and French

2002 - 2015

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

DOI: [10.1109/ICECA49313.2020.9297636](https://doi.org/10.1109/ICECA49313.2020.9297636)

ResQ - Smart Safety Band - Automated heart rate and fall monitoring system for women safety and elderly care

ISMAC 2020

DOI: [10.1109/I-SMAC49090.2020.9243548](https://doi.org/10.1109/I-SMAC49090.2020.9243548)

IoT and ML based Smart System for Efficient Garbage Monitoring - Real Time AQI Monitoring and

ICSSIT 2020

Fire Detection for dump yards and Garbage Management System

DOI: [10.1109/ICSSIT48917.2020.9214202](https://doi.org/10.1109/ICSSIT48917.2020.9214202)

Virtual Farmer - Real Time Crop Prediction and Automatic Irrigation System

ICCCNT 2020

DOI: [10.1109/ICCCNT49239.2020.9225686](https://doi.org/10.1109/ICCCNT49239.2020.9225686)

Brainy Streets - An Automatic Street Lighting System

ICISC 2018

DOI: [10.1109/ICISC.2018.8399064](https://doi.org/10.1109/ICISC.2018.8399064)

PROJECTS

Smart Safety Band for women and elderly 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 Streets - Automated street lighting and traffic mapping system - [github.com/DevSavla/Brainy-Streets](#) -

www.youtube.com/watch?v=GJzvm7ehqp4

EXPERIENCE

HERE Technologies - Process Systems Engineer II

June 2021 - Present

Working on Research and Development of IoT based solutions for the automotive world.

[HERE Technologies](#)

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