

SRUSHTI SAWANT

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SUMMARY

As a third-year Electronics and Communication Engineering student, I am deeply passionate about unleashing the power of data. My dedication lies in crafting innovative solutions that empower informed decision-making. With a blend of interdisciplinary expertise, I am poised to thrive in dynamic, data-centric settings, offering invaluable insights and solutions as a dedicated data professional. Whether working independently or collaboratively, my strong communication and interpersonal skills further enhance my ability to excel in the field.

EDUCATION

Bachelor of Electronics and Communication Engineering

MIT World Peace University, Pune

2021-2025

CGPA: 7.11

- Event Organiser (Overall) of Smart India Internal Hackathon 2023 and NASA Space Apps Challenge 2023 (Logistic Department)
- Excelled in various hackathons, contributed to multiple technical clubs, is a social media designer for MITWPU SWE (Society of Women Engineers).
- Actively engaged in workshops on Neural Networks, ChatGPT, and PCB Designing for advanced learning.

SKILLS

Technical Skills: Tableau, Power BI, Python, C,C++, HTML, CSS, R, SQL MATLAB, Simulink, Proteus, NI Multisim, Arduino, Raspberry pi, NodeMCU, MS Office

Soft skills: Creative, Resilient, Leadership, Cross cultural competence, Attention to detail, Public Speaking

EXPERIENCE

Head of Electronics Department

Innovation Hub (Student's Innovation Council of MITWPU)

May 2023 - Present

Leading the design, testing, and maintenance of electronic systems, ensuring project quality. Facilitating ethical research, recruiting, and supporting department members. Managing diverse college and industrial projects while overseeing the research and patent unit, promoting innovation, and fostering patent and research paper submissions.

PROJECTS

Kavach

August 2023 – Present

Kavach revolutionized security and crowd management in railway environments. It integrates AI and ML with existing CCTV networks for real-time threat detection, crowd analysis, incident alerts, luggage monitoring, and effective crowd control. It offered detailed reports for evidence and analysis, transforming surveillance into a proactive crime deterrent and crowd management tool.

Co-inventors: Pranav Advani, Taher Bhurka, Dhriti Shah, Shekhar Kalshetti, Archis Gokhale

Non-Invasive Blood Glucose Monitoring System

February 2023 – April 2023

A real-time machine learning algorithm to predict and practice caution before risks. The project aimed to enhance diabetes care by offering pain-free monitoring and proactive risk prediction. We developed an indigenous non-invasive blood glucose monitoring system that redefined diabetes care with comfort, accuracy, and personalized insights for better health management.

Co-inventors: Parth Salke, Omkar Sangrulkar, Om Godbole, Parth Muley.

Walmart Sales Analysis Dashboard ([Tableau Public](#))

July 2023 – August 2023

The Walmart Sales Analysis Dashboard offers real-time insights into sales performance, product categories, store-wise trends, and customer segmentation. It empowers decision-makers with actionable data for strategic business optimization.

Drowsy Driver ([Patent granted](#))

April 2022 – Present

A safety technology to prevent accidents caused by fatigued drivers. The objective of this project was to build a technology that provided real-time alerts, prioritizing safety and reducing the risks of drowsy driving incidents.

Co-inventors: Ronit Jain, Pratyancha Joshi, Gauri Gujrathi, Sarthak Wavare.

CERTIFICATIONS

- [Data Analytics and Data Tableau](#) by Jobaaj.com
- [Analyzing and Visualizing Data with Microsoft Power BI](#) by LDIFU (Let's Do It For You)
- [Mern Stack Web Development](#) by KODEIT Solutions
- [MATLAB Onramp](#), [Simulink Onramp](#), [Signal Processing Onramp](#) by Mathworks
- [Electrical and Automation](#) by NITTTR Bhopal - Siemens - Center of Excellence Digitization & Industry 4.0