

SURYANSH TIWARI

Electronics and Communication Engineering 3rd Year | [✉ suryanshtiwari8@gmail.com](mailto:suryanshtiwari8@gmail.com) | Chennai | [in LinkedIn](#)

Education

- Currently pursuing B-tech Electronics and Communication - 6Th Semester, SRM KTR. CGPA – 8.1/10
- Cleared **JEE Mains** with **91.98%ile** **Jun-2021**
- **12th Board:** **81.2%** BL MOHTA School (**CBSE**), Bikaner Rajasthan, India **Mar-2021**
- **10th Board:** **82.2%**, Jesus and Merry School (**CBSE**), Bikaner Rajasthan, India. **Mar-2019**

Work Experience

- **Bluestocks.in Intern** - During my tenure as intern at **Bluestocks(Bluestocks.in)** I was given chance to play a valuable role as **Team Lead** in the creation of a **PROJECT MODULE** focusing on **responsive IPO Portal** . showcased my mastery of front-end technologies and elevated the user experience
Duration: From 1 Jan 2025 – 28 Feb 2025
Technology Used: HTML, CSS, JS, Postgres SQL, Python SDK, REST Framework
- **Designed , Developed Industrial Website :- <https://insiden-course-application.web.app/>** as a hustle to prove my idea of a **community based platform INSIDEN.in** as a **startup**, I learned valuable lessons of **collaboration, project Management and Marketing**

Achievements

- **Patent - Development of Graphene based EEG Sensor integrated with Machine Learning Model for Fall Detection:** As a part of my **research project** under the guidance of SRM Professor, During the **patent filing**, I Developed a **Machine Learning Model** to detect fall while awake, using multiple categories. Implemented **Signal pre-processing** techniques such as rescaling and signal generation. Trained and validated the model using **TensorFlow** and **Keras** on custom datasets, achieving high accuracy. Compared different **Pretrained models** for further comparison.
Technology Used: Python, TensorFlow, Keras, and Matplotlib.
Application No: IDF 689
- **IEEE Book Chapter** on the analysis and Dataset Development of EEG for Fall detection under the guidance of my faculty to support the research for filing the Patent
- As a Defense Enthusiast, I have completed my **NCC “C” Certificate with Technical Trainings at INS SHIVAJI** and used the ability of **Team Management, Problem Solving, Communication Skills** on Naval ships **INS SUNAYNA and INS JAMUNA** as Sea Training.

Position of Responsibility

- **Team leading member of SRM ASV club** I am able to put in my **Electronics and Programming skills** to program and use surface autonomous surface vehicles adding to my ability to **multitask and Time Management**
- **Project and Growth Management** for a Community Project (Insiden.in) **1500+ Members** and **8+ Mentors**

Technical Skills

- **Programming Languages:** C, C++, Python
- **Web Technologies:** JavaScript, ReactJS, NodeJS, Tailwind CSS, HTML, CSS, Bootstrap 5.0
- **Database:** PostgreSQL