

TANISHA RAKSHIT

Undergraduate Student - Vellore Institute of Technology, Vellore

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📍 Kolkata, India

in Tanisha Rakshit

🌐 Tanisha Rakshit

EXPERIENCE

Machine Learning Intern

Indian Institute of Technology, Indore

📅 January 2022 – February 2022 📍 Indore, India

- Research Project: Stock Price prediction, improved the accuracy of the previous model and learnt basic machine learning and neural network concepts

Electronics Intern

Tata Steel Private Limited

📅 May 2021 – July 2021 📍 Jamshedpur, India

- Undergone vocational training and learnt topics like PLCs, Transformers, Sensors and Power Systems

PROJECTS

Heart Stroke Prediction

- Predictive modelling along with data visualization and data analysis applied to obtain heart stroke prediction using various machine learning algorithms

Ride Safe

- Detection based web application for ride sharing cabs with continuous alert triggers in case the driver is not wearing mask or is drowsy along with the real time tracking of vehicle using Node MCU and GPS module on Blynk app

Safety Before Exam

- Fingerprint Based Exam Hall Authentication system with temperature sensing of the student with an alert mechanism implemented using Atmega Microcontroller and IoT

IoT Based Gas Leakage Detector

- Used the IoT gecko platform as an interface to show immediate alerts along with gas levels in case the gas level exceeds warning the user

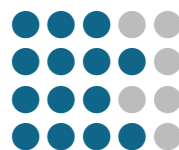
SKILLS

JAVA, Data Structures, SQL, Power BI, AI, ML

Microsoft Office, OOPs, IoT, NI Multisim

Thingspeak, Data Analytics, Keil, Azure

Team work, Leadership, Presentation Skills



POSITION OF RESPONSIBILITY

- Coordinator at SEDS (*Students for the Exploration and Development of Space*), VIT
- Conducted several events, hackathons and workshops related to Astronomy and Robotics

EDUCATION

B.Tech, Electronics and Communications Engineering

Vellore Institute of Technology, Vellore

📅 2018-2022 📍 Vellore, India

- CGPA-9.07
- Coursework- Data Structures, Computer Architecture, Computer Communication, Neural Networks, Cryptography, Internet of Things

12th and 10th Standards

Delhi Public School, Kolkata

📅 2015-2018 📍 Kolkata, India

- AISSCE (Class 12th)- 93.4 %
- ICSE (Class 10th)- 97.6 %

ACHIEVEMENTS

1. **Quanta Hacks, Stem for Fem** - Won the second overall with an amazon gift card
2. **Chancellor's Special Achiever's Award** - Received from **VIT University** for exemplary performance in international competitions and academics
3. **Holiday Hacks by MLH** - Won the third overall
4. **IEEE RAS Reboot 2.0** - Won the best girls' team among 120 shortlisted candidates
5. **Merit AISSCE 2018, Merit Scholarship ICSE 2016, JEE Mains 2018 qualified (among the top 6 %)** - Second overall in school in ICSE and Scholar Badge Holder in AISSCE

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals
- Java Foundations from Geeks For Geeks
- Power BI for Beginners from Simplilearn

PUBLICATIONS

- **Comparative Analysis and Implementation of Heart Stroke Prediction using Various Machine Learning Techniques**
- **Experimental Design and Implementation of Fingerprint based Exam Hall Authentication system with Temperature sensing and analysis using Internet of Things**