Ayushman Mookherjee

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PROFILE

A final year engineering student from Vellore Institute of Technology, pursuing **Electronics and Communication Engineering**. Keen on delving into the world of technology. Have a knack for managerial studies, excel as a team player, like to take responsibilities, and pride in my communication skills.

WORK EXPERIENCE

07/2021 – present Thane, India	**Data Engineering Intern,** Karkinos Healthcare Working as a Data Engineering Intern learning how to analyze, manipulate and use data along with ML and AI algorithms in the healthcare sector. Working on SpringBoot applications and creating necessary UI's. Using Apache Airflow for data pipelining and workflow scheduling.
09/2020 – 01/2021 Thane, India	**Web Development Intern,** Raymond Worked on front-end web development and experienced the usage of languages like HTML, JavaScript, CSS, and JQuery. Got to work alongside mentors and gain experience. Gave inputs and worked on the "my-Raymond" website
06/2020 Thane, India	**Business and Engineering Virtual Internship,** Microsoft Getting up to date with work-ready skills and knowing the basics of how business is done at Microsoft and the values incorporated by the organization both technical and humanitarian.
06/2018 – 06/2019 mumbai, India	**Student Ambassador,** Internshaala • Helped inquisitive college students by providing them with a platform to get internships and various other courses to help them strengthen their resume • Ideate on and execute innovative campaign plans. • Answered questions, pointed out important features, and hosted workshops in different domains for Internshaala in our college. • One of the top performers in India for Internshaala, during the given period

ORGANISATIONS

12/2018 – present Vellore, India	**Institution Of Engineering and Technology,** Advisory Board Serving as an advisor to the current executive board on critical decision-making and policy implementation. Maintain proper workflow balance among the current board members and the organization. I have worked as the **Finance Head** before being one of the members of the advisory board, where I had to maintain the chapter finances and play a major decision-making role in the chapter. Work on the budget for various national and international events to be held and organized for our college. I have lead the sponsorship team and built connections with as many professionals as possible. Oversaw all major projects undertaken by the chapter (technical and non-technical).

EDUCATION

08/2018 – present VELLORE, India	**Bachelors of Technology: Electronics and Communication Engineering,** Vellore Institute Of Technology

06/2016 – 05/2018   **High School,** Pace Jr College and High School
Thane, India

06/2004 – 05/2016   **Schooling,** Smt Sulochanadevi Singhania School
Thane, India

INTERESTS

Web and app development
Data Science and Data Visualization
ML and IoT
Deep learning and Computer Vision
Blockchain and Cryptocurrency technologies
Content creation, Marketing, and Business Management

SKILLS

Programming Languages
Java, C++,Python,HTML,CSS,JavaScript

Software and Libraries
TensorFlow, Jupyter Notebook, NetSim, Apache Airflow

Computing Environments
MATLAB, R-studio, VScode, AndroidStudio, ThingSpeak, IOTify

Databases
MySQL, MongoDB

ACADEMIC COURSES

ECE BASED COURSES
Analog electronic circuits, Analog & Digital communication systems, Electrical circuits and Semiconductor devices, Signals and Systems, Electromagnetic Field Theory, VLSI System Design, Transmission Lines and Waveguides, Sensors and Instrumentation, Robotics, Digital Signal Processing, Microcontrollers and their applications, Satellite communication

CS BASED COURSES
Object-oriented programming languages, computer communication, Internet of Things and Machine Learning, Blockchain, and Cryptocurrency technologies, Data Structures, Databases, Deep Learning, Cryptography and Network Security

PROJECTS

Academic Projects
1) colour sensor for colour blind people
2) smart parking system
3) smartwatch
4) alcohol detector
5) "NAYAN"- a belt for the visually impaired.
6) Accident detection and alerting system using 8051 microcontrollers
7) Weather detection system using Machine learning and IoT.
8) Stabilized drone system using ROS
9) A brief study on different adaptive noise - cancelling filtration techniques.
10) Movie recommendation system using Machine Learning.
11) Light Fidelity Systems

Projects
1) HUNTR- a combat robotics bot
2) Mood-based playlist generator