







Aniket Chattopadhyay

Pursuing Bachelor of Technology at VIT Chennai in Electronics and Communication Engineering

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EDUCATION

Bachelor of Technology (ECE)
Vellore Institute of Technology, Chennai
09/2021 - Present CGPA: 9.19

Higher Secondary and Secondary Education
Bhatpara Amarkrishna Pathsala (H.S.)
01/2013 - 07/2021 Grade: 93.2% (XII) & 92.3% (X)

PERSONAL PROJECTS

Agricultural Crop Recommendation System using IOT with Machine Learning (03/2024 - 04/2024)
Developed a Python-based web application using IOT and ML to prevent losses caused by agricultural challenges by providing customized crop recommendations and analyzing soil quality and weather risks.

Password Operated Device Control (03/2024 - 04/2024)
Using Proteus software and embedded C programming, an electronic lock system with an AT89S51 microcontroller, 4x3 keypad, and 16x2 LCD was created. This system allows for password customization by triggering LED and LCD responses for successful or unsuccessful entries and autolocking after 3 failures.

Detection of Parkinson's Disease using Voice Recorded Signal (06/2023 - 07/2023)
Investigating the early detection of Parkinson's disease through voice analysis, utilizing different machine learning & deep learning algorithms.

Car Purchase Prediction using Machine Learning (10/2023 - 11/2023)
Engineered a groundbreaking machine learning algorithm using customer data to accurately predict car purchases based on demographics, income, and historical buying behavior ; achieved an accuracy rate of 85% in forecasting via a user-friendly web interface.

RISC V RV32I RTL Design using Verilog HDL (09/2023 - 10/2023)
Leveraged UVM methodology to architect and implement a three-stage pipelined model of the RISC-V RV32I architecture and also significantly boosting test efficiency.

WORK EXPERIENCE

Summer Intern
Ernst & Young LLP
06/2024 - 07/2024 Kolkata, India
Achievements/Tasks
I was assigned to the CNS - TC - AI AND DATA function in Tech Consulting.
I worked on the project titled, Revenue Analytics – Madhya Pradesh Commercial Tax Department.
I also worked on large scale database visualization using Apache superset tool.

SKILLS

Python JAVA C MySQL MATLAB R
Data Visualization and Analysis PostgreSQL IOT
Basic Linux NETSIM Git and GitHub Verilog
Apache Superset Cisco Packet Tracer MS Office
Cadence Virtuoso Teamwork Communication

ORGANIZATIONS

SEDS Antariksh VIT Chennai (03/2022 - 05/2024)
Treasurer and Outreach Member

CERTIFICATES

Ernst and Young LLP Summer Internship Completion Certificate (06/2024 - 07/2024)
<https://drive.google.com/file/d/1Xa3Jr9Z5k-dUYQrAK5OAbDzTZa3Cgqlz/view?usp=sharing>

C, advanced Cpp and Python IIT Bombay Spoken Tutorial Technical Certifications (02/2022)
<https://drive.google.com/drive/folders/1vrRFTCi5fhjIRpH5kYwAFSMq9Jn0K5Uz>

SmartInternz AI/ML Externship (08/2023 - 11/2023)
<https://drive.google.com/file/d/1QUyzfIPQIVqD1P6K8KIkxfNLH7Ja8mZ/view?usp=sharing>

Maven Silicon Design Internship (08/2023 - 11/2023)
<https://drive.google.com/file/d/1vum7jL3MfAm8zFxlDbny8lGK0x4TLJnJ/view?usp=sharing>

Finlatics Analyst Certification (11/2023 - 12/2023)
<https://drive.google.com/file/d/1EDaKdII9aXQjdV9nj6HI0VSntBN8C614/view?usp=sharing>

LANGUAGES

English Full Professional Proficiency Bengali Full Professional Proficiency
Hindi Full Professional Proficiency Spanish Elementary Proficiency

INTERESTS

Machine Learning Database Management Systems
Computer Networks Optical Fiber Communications
Statistics Data Science Sensors Sports