



# Aniket Chattopadhyay

Aspiring EC Engineer ~ Data science Enthusiast

 My Portfolio

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## SUMMARY

Currently, I am a Bachelor's student at VIT Chennai, majoring in Electronics and Communication. Besides my domain knowledge of EC and IOT systems, I possess a keen interest in artificial intelligence and machine learning, with adeptness in merging technical expertise with advanced analytical data handling capabilities. I enjoy listening to songs, watching movies and playing cricket.

## SKILLS

**Languages:** Python, C, MySQL, MATLAB, JAVA, R, Embedded C, Verilog, HTML, CSS, JavaScript (Novice)

**Technologies:** Data Visualization and Analysis, Machine Learning, Database Management Systems, Apache Superset, Power BI, Arduino, IOT, TinkerCAD, Cisco Packet Tracer, NETSIM, OptiSystem, ModelSim, VLSI, RISC-V, MS Office, Basic Linux, Git and GitHub, LaTeX (Novice)

**Softskills:** Problem Solving, Time-management, Communication, Collaboration, Leadership

## EDUCATION

Sep '21 - '25	<b>Vellore Institute of Technology, Chennai</b> Bachelor of Technology - BTech, Electronics and Communication Engineering CGPA: 9.19
Jan '13 - Jul '17	<b>Bhatpara Amarkrishna Pathshala (H.S.)</b> Secondary and Higher Secondary Education with PCMB combination & CS up to ninth standard. Grade: 93.2% (XII) & 92.3% (X)

## EXPERIENCE

June '24 - July '24	<b>Summer Internship Trainee</b> Ernst and Young LLP <ul style="list-style-type: none"><li>I worked on large scale database operations and visualization using Apache Superset tool.</li><li>I was assigned to the CNS - TC - AI AND DATA function in Tech Consulting.</li><li>I also worked on the project titled, Revenue Analytics - Madhya Pradesh Commercial Tax Department.</li></ul> Skills: Database Management Systems / Data analysis and Visualization / PostgreSQL / MySQL / Apache Superset
Feb '22 - Apr '24	<b>Extracurricular Activities</b> VIT CHENNAI <ul style="list-style-type: none"><li>Outreach Member and Treasurer at SEDS Antariksh, VIT Chennai.</li><li>Treasurer at Bengali Literary Society, VIT Chennai</li></ul> Skills: Teamwork / Leadership / Finance Management / Strategic Planning

## PROJECTS

Machine learning	<b>Plant Disease Detection Using image Processing and Machine Learning</b> currently working on this project for detecting plant leaves' diseases via image datasets, machine learning models and neural networks. GitHub Link
Machine Learning	<b>Agricultural crop recommendation system using IOT with Machine Learning</b> Developed a Python-based web application using IOT and Machine Learning model of more than 97% to prevent losses caused by agricultural challenges by providing customized crop recommendations analyzing soil quality factors and weather conditions. GitHub Link
Machine Learning	<b>Car purchase prediction using Machine Learning</b> Engineered a groundbreaking machine learning algorithm using customer data to accurately predict car purchases based on demographics, income, and historical buying behavior; achieved a 85% accuracy rate in forecasting via a user-friendly web interface. GitHub link
Machine Learning	<b>Voice Based Gender Classification Using Machine Learning and Deep Learning</b> Developing a real-time gender classification model using voice inputs directly by applying signal processing and machine learning techniques, ensuring accuracy, efficiency and validating through rigorous testing with diverse samples. GitHub Link
Embedded C	<b>Password Operated Device Control</b> Created an electronic lock system with AT89S51 microcontroller, 4x3 keypad, and 16x2 LCD by Proteus software and embedded C programming which Allows password customization by triggering LED and LCD responses for successful or failed entries and auto-lock after three failures. GitHub Link
VLSI	<b>RISC V RV32I RTL design using Verilog HDL</b> Leveraged UVM methodology to architect and implement a three-stage pipelined model of the RISC-V RV32I architecture, significantly boosting test efficiency. GitHub link

## LANGUAGES

English - Professional Bengali - Native Hindi - Professional Odia - Elementary Spanish - Elementary

## CERTIFICATIONS

Dec 2023	Finlatics Business Analyst Certificate
Nov 2023	SmartInternz AIML Externship Program Completion Certificate
Nov 2023	Maven Silicon Design Internship Completion Certificate
Feb 2022	C, advanced Cpp and Python IIT Bombay Spoken Tutorial Technical Certifications