

Aneeswa Chowdhury

Kolkata, India

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Education

VIT Bhopal University, Bhopal, India

B.Tech in Computer Science and Engineering

CGPA: 8.43/10.0

2022 – 2026

DPS Ruby Park, Kolkata

Higher Secondary (Class XII) – 88%

2022

The BSS School, Kolkata

Matriculation (Class X) – 89.4%

2020

Technical Skills

Languages: Java, Python, C++, JavaScript, HTML, CSS, SQL

Developer Tools: VS Code, GitHub, Canva, Jupyter Notebook

Domain Knowledge: OOP, Data Structures, Algorithm Design, Cloud Computing, Machine Learning, AIML, Marketing Analytics

Projects

Credit Card Fraud Detection System

Python, Machine Learning

- Developed a binary classification model using Random Forest to detect fraud on a dataset of 280,000+ credit card transactions.
- Performed feature scaling, undersampling, and precision optimization to handle class imbalance and minimize false positives.
- Deployed results in a prototype alert system that simulates real-time fraud detection use cases.

Parkinson's Disease Detection System

Python, Machine Learning

- Created a diagnostic tool that analyzes biomedical voice data to predict Parkinson's disease using logistic regression and SVM.
- Engineered 22+ audio-based features such as jitter, shimmer, and HNR to improve model sensitivity.
- Achieved early-stage classification accuracy suitable for potential integration with telemedicine platforms.

Water Quality Monitoring System

IoT, React, ML

- Built an end-to-end platform integrating IoT sensors and machine learning to predict water potability.
- Designed a React-based user interface that displays real-time data readings and potability results.
- Integrated an interactive chatbot to assist users in understanding water safety indicators.

Achievements & Certifications

- NPTEL Certification – Marketing Analytics (Elite + Silver)
- NPTEL Certification – Cloud Computing (IIT Kharagpur)
- Coursera – Bits and Bytes of Computer Networking
- Python Basics – Vityarthi Certification
- HackerRank – Python Certification

Co-curricular Activities

- **IOS Club** – Social Media Co-Lead: Designed posts, managed outreach, and promoted 5+ tech events.
- **OWASP Club** – Marketing Manager: Led event promotion, handled internal communications.
- **Insights Club** – Core Member: Supported data-focused workshops and discussion events.

Additional Information

Languages Known: English, Bengali, Hindi

Interests: AI for healthcare, Cybersecurity, Sports, Psychology