

# Aneeswa Chowdhury

Kolkata, India

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## Education

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**VIT Bhopal University**, Bhopal, India  
*B.Tech in Computer Science and Engineering*  
**CGPA: 8.43/10.0**

**2022 – 2026**

<b>DPS Ruby Park</b> , Kolkata <i>Higher Secondary (Class XII)</i> – 88%	<b>2022</b>
<b>The BSS School</b> , Kolkata <i>Matriculation (Class X)</i> – 89.4%	<b>2020</b>

## Technical Skills

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**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

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### 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

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- 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

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- **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

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**Languages Known:** English, Bengali, Hindi  
**Interests:** AI for healthcare, Cybersecurity, Sports, Psychology