

# ASHIT MALLICK

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## Education

### Vellore Institute of Technology, Bhopal

Aug 2022 – Jun 2026

*Bachelor of Technology (B.Tech), Computer Science and Engineering*

*CGPA: 8.2/10.0*

- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Computer Networks, Operating Systems, Ethical Hacking

### Sunbeam School Varuna, Varanasi

2022

*Class XII - 75%*

### Sunbeam School Varuna, Varanasi

2020

*Class X - 83%*

## WORK EXPERIENCE

### IT Intern

Mar 2025 - Jul 2025

*Social Fellowship*

- Configured and maintained IT infrastructure, ensuring seamless network operations and system performance.
- Assisted in troubleshooting hardware and software issues, reducing downtime by 20%.
- Implemented cybersecurity protocols, enhancing data protection and compliance with industry standards.

### EPICS Project

Aug 2024 - Apr 2025

*Data Scientist*

- Collected and curated extensive agricultural datasets, ensuring high-quality input for AI-based farmer assistant models.
- Processed and cleaned data using advanced tools, enhancing dataset accuracy and reliability for predictive analytics.
- Compiled and organized data insights, enabling seamless integration into the farmer assistant tool for optimized crop management.

## PROJECTS

### RakshaChakra — Dart, Machine Learning, Firebase, Android Development, Flutter, AWS, Docker — [GitHub] Jul 2025

- Designed and developed intuitive UI for RakshaChakra, enhancing user experience and accessibility for secure banking operations.
- Implemented secure authentication using Firebase Realtime Database, ensuring robust user verification and data privacy.
- Deployed and managed an ML pipeline on AWS Elastic Beanstalk, enabling real-time fraud detection and transaction security.

### CyberSecurity Assitant — Python, Machine Learning, Natural Language Processing — [GitHub] Feb 2024

- Trained NLP models to enhance the cyber security assistant chatbot's ability to interpret and respond to user queries accurately.
- Executed machine learning algorithms to enable real-time threat detection and analysis within the chatbot system.

## TECHNICAL SKILLS

- **Programming Languages:** C++, Java, Dart, Python3, JavaScript, SQL
- **Developer Tools & Technologies:** Node.js, Linux, HTML5, CSS3, REST APIs, MySQL, Git, GitHub, Postman APIs, Data Structures & Algorithms, Object-Oriented Programming, AWS, Pen Testing, Wireshark.

## ACHIEVEMENTS & CERTIFICATIONS

- **Canara Bank Hackathon '25** — Top 105 among 4000+ participants nationally
- **Programming Proficiency:** Solved 100+ DSA problems across LeetCode, GeeksforGeeks, and Coding Studio
- **IBM Gen AI** — Smart contracts and distributed systems
- **Cyber Shakti CTF Indian Army** — Successfully able to find 3/4 flags