

# ASHIT MALLICK

+91-9555217020 | ✉ airdevil2003@gmail.com | [in linkedin.com/in/ashit-mallick-a7a386250](https://www.linkedin.com/in/ashit-mallick-a7a386250) | [github.com/Wingedarrows03](https://github.com/Wingedarrows03) | 

## TECHNICAL SKILLS

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

## ACHIEVEMENTS & CERTIFICATIONS

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- **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

## PROJECTS

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**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 Assistant** — 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

## WORK EXPERIENCE

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### 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

## EDUCATION

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**Vellore Institute of Technology, Bhopal**

**Aug 2022 – Jun 2026**

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

*CGPA: 8.2/10.0*