

# Amey Mali

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## CARRIER OBJECTIVE

Motivated and detail-oriented Information Technology graduate from Mumbai University with a strong academic background (GPA: 9.48/10) and practical experience in software development, machine learning, and blockchain technologies. Proficient in Python, Java, HTML, CSS, JavaScript, and the MERN stack, with hands-on project experience in web applications, fraud detection, and decentralized systems. Passionate about leveraging data-driven insights and emerging technologies to develop scalable, secure, and efficient software solutions. Committed to continuous learning, effective collaboration, and contributing to innovative, impact-driven projects.

## EDUCATION

### VIDYALANKAR INSTITUTE OF TECHNOLOGY

Bachelor of Engineering (B.E.) in Information Technology  
Cumulative GPA :- 9.48/10.0  
Percentage :- 82.15%

Mumbai, Maharashtra  
Graduated 18 June 2025

### S.S HIGH SCHOOL & JR. COLLEGE

HSC Board - Percentage - 94.00%.

Navi Mumbai, Maharashtra  
2019 – 2021

### J.M. RATHI ENGLISH SCHOOL

SSC Board - Percentage - 92.00%

Roha, Raigad, Maharashtra  
2018 – 2019

## WORK EXPERIENCE

### CodSoft

Machine Learning Intern

Remote  
July 2024 – Aug 2024

- Engaged in all phases of the data science lifecycle, from data gathering and cleaning to analysis and visualization.
- Developed projects like Email Spam Detection and Sales Forecasting using Python and machine learning.
- Gained practical experience with Python libraries such as NumPy, Pandas, and Scikit-learn, implementing various ML algorithms.

### Oasis Infobyte

Web Development and Designing Intern

Remote  
1st Aug 2024 – 31st Aug 2024

- Participated in a 1-month internship focused on Web Development and Designing.
- Emphasized learning new skills and deepening understanding of web development concepts through hands-on application.
- Collaborated with a team to gain practical experience and prepare for future projects.

## AWARDS AND HONORS

### Certificate of Appreciation

Presented by **National Institute of Technology Rourkela** organized by Department of Electrical Engineering. In recognition of outstanding contribution as a **Reviewer** at the 1<sup>st</sup> IEEE International Conference on “**Smart Power Control and Renewable Energy (ICSPCRE-2024)**”.

July 19-21, 2024

## PROJECTS

### EMPLOYEE PAYROLL AND ALLOWANCE SYSTEM

November 2022

- Developed a desktop-based Java application to manage employee salary, attendance, allowances, and deductions.
- Built using **Java**, **Apache NetBeans**, and **MySQL** for robust backend integration and data persistence.
- Implemented modules for role-based login, payroll automation, leave tracking, and payslip generation.
- Designed using Java Swing for a responsive UI and JDBC for seamless database communication.

### CREDIT CARD FRAUD DETECTION WEB APPLICATION

July 2024

- Designed and developed a machine learning-powered web application using **Flask** and **HTML/CSS** to detect fraudulent credit card transactions based on user-input parameters.
- The system was built to **enhance financial security** by identifying high-risk patterns in transaction behavior (e.g., online orders, chip usage, unusual distances).
- Integrated a pre-trained classification model (**cc.pkl**) to predict transaction legitimacy using key features like distance from home, median purchase ratio, and device behavior.
- Implemented real-time result display using **Flask templating**, form processing, and a clean, responsive frontend for seamless user experience.

## BLOCKCHAIN-BASED KYC REGISTRY PROTOTYPE

April 2025

- Built a decentralized KYC management system using **Ethereum blockchain**, enabling secure, verifiable, and tamper-resistant customer data sharing across financial institutions.
- Developed and deployed **smart contracts** using Solidity on a local **Ganache test network** with **Node.js**, **Web3.js**, and **Solc compiler**.
- Designed a prototype to eliminate redundant KYC checks by maintaining a shared blockchain ledger, reducing operational costs and compliance risks for banks.
- Demonstrated contract execution and real-time validation using a simulated Ethereum network, with plans to scale on the **Ethereum mainnet** for production readiness.

## CLEANTRACK: A JAVA-BASED SANITATION MONITORING & MANAGEMENT SYSTEM

April 2025

- Developed a desktop-based hygiene monitoring application using Java Swing and Apache Derby DB to automate sanitation tracking across facilities.
- Designed and implemented modules for staff registration, cleaning task logging, and maintenance records using a modular, event-driven GUI structure in NetBeans.
- Integrated an embedded database system to support offline operations, enabling reliable sanitation oversight without internet dependency.
- Enhanced facility compliance by providing real-time status dashboards, editable tables, and role-based authentication for system access.

## SKILLS

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- **Languages:** Python, MySQL, Java, HTML, CSS, JavaScript, ReactJS, MERN Stack
- **Developer Tools:** Visual Studio Code, Git, Jupyter, Google Colab, Linux, Render, Firebase
- **Technologies/Frameworks:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, NLTK, MongoDB
- **Soft Skills:** Leadership, Collaborative Teamwork, Effective Communication, Problem-Solving, Time Management

## CERTIFICATIONS

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- MERN Stack E-Commerce App using React Native & Redux Toolkit by Udemy.
- TCS iON Career Edge - Young Professional.
- Employee CyberSecurity Awareness First Line of Defense.
- #startupindia Learning Program by upGrad.
- Complete SDLC: Software Development Life Cycle SDLC (2023) by Udemy.
- Become a Professional Web Developer | Version 3.0 by Udemy.
- C++ And PHP Complete Course 2023 by Udemy.
- Certified Cloud Security Professional (CCSP) by Udemy.
- Deep Web- The complete Introduction to the hidden web by Udemy.
- Docker for Beginners: a HandsOn Practice Course (+12 hours) by Udemy.
- Ethereum Blockchain Developer Bootcamp With Solidity (2025) by Udemy.