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 ⌐   Mumbai, Maharashtra
Bachelor of Engineering (B.E.) in Information Technology   Graduated 18 June 2025
Cumulative GPA :- 9.48/10.0
Percentage :- 82.15%

S.S. HIGH SCHOOL & JR. COLLEGE SEAWOOD ⌐   Navi Mumbai, Maharashtra
HSC Board - Percentage - 94.00%.   2019 – 2021

J.M. RATHI ENGLISH SCHOOL ⌐   Roha, Raigad, Maharashtra
SSC Board - Percentage - 92.00%   2018 – 2019

WORK EXPERIENCE

CodSoft ⌐   Remote
Machine Learning Intern   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 ⌐   Remote
Web Development and Designing Intern   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 ⌐   July 19-21, 2024
Presented by **National Institute of Technology Rourkela** organized by Department of Electrical Engineering. In recognition of outstanding contribution as a **Reviewer** at the 1st IEEE International Conference on "**Smart Power Control and Renewable Energy (ICSPCRE-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

- **Languages:** Python, MySQL, Java, HTML, CSS, JavaScript, ReactJS, MERN Stack, BootStrap
- **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

- 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.