Amey Mali

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CARRIER OBJECTIVE

Motivated and detail-oriented Information Technology graduate from Mumbai University (GPA: 9.48/10) with a solid foundation in full stack development, machine learning, and blockchain technologies. Experienced in building scalable web applications using the MERN stack, Java, and Python, with practical exposure to cloud platforms and DevOps tools. Adept at solving complex problems through clean, efficient code and data-driven decision-making. Passionate about continuous learning, innovation, and contributing to high-impact, real-world 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 — 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

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.

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.

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 & Frameworks:** Java (SE, Swing), React.js, Node.js, Express.js, HTML5, CSS3, Python, Flask
- **Backend & API:** Java Spring Boot (learning), RESTful APIs, JDBC, MySQL
- **Frontend:** React.js, Bootstrap, Java Swing, HTML/CSS
- **Databases:** MongoDB, MySQL, Apache Derby
- **Tools & Platforms:** Git, VS Code, NetBeans, Postman, Firebase, Jupyter
- **Cloud & DevOps:** Firebase, Render, Docker (Basics), Azure (Basic exposure)
- **Libraries:** NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn

CERTIFICATIONS

- MERN Stack E-Commerce App – Udemy
- Docker for Beginners – Udemy
- Ethereum Blockchain Developer Bootcamp – Udemy
- TCS iON Career Edge – Young Professional
- Certified Cloud Security Professional (CCSP) – Udemy