Abhay Raut

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EDUCATION

University of Mumbai   **Chembur, Mumbai, Maharashtra**
B.Tech in Computer Science(IOT, BTC & CS)   *Expected Graduation, May 2026*
CGPA: 8.50

PROFILE SUMMARY

- **Python** with a strong background in building scalable web applications
- Cloud infrastructure enthusiast with experience in **scalable application** deployment, **DevOps** automation, and **AWS** services. Continuously improving through hands-on projects and industry certifications.
- **Cloud Engineer** in training with hands-on experience across AWS, DevOps, and cloud-native development.
- Committed to **staying updated** with the **latest industry** trends and technologies, continuously enhancing skills to provide innovative solutions.

EXPERIENCE

AI-Assisted Content Curator Intern
NextLeap Analytics Pvt. Ltd. | Mumbai, India (Hybrid)   *Dec 2024 – Jan 2025*

- **Designed and implemented** AI-driven content strategies using sentiment analysis and keyword targeting to enhance user engagement by 20%.
- **Integrated** tools like GPT-based models to automate blog and copywriting processes, reducing manual workload by 30%.
- Collaborated with marketing to align AI-driven pipelines, reducing campaign launch time by 25% and improving content-targeting accuracy.

PROJECTS

Crypto Wallet – Secure Multi-Currency Digital Asset Manager   *Nov 2024 – April 2025*

- Developed a cross-platform crypto wallet supporting Ethereum, Bitcoin, and ERC-20 tokens.
- Implemented AES-256 encryption, 2FA, and BIP-39-based recovery with Flask and Firebase.
- Integrated real-time blockchain syncing and QR-based transactions using Infura APIs.
- Published research on crypto wallet security in **IRJMETS (2025)**.

Portfolio Website Deployment on AWS   *June 2024 – July 2024*

- Developed and deployed portfolio website with **AWS S3, AWS Amplify & Route 53**.
- Built **CI/CD** pipeline using GitHub Actions for continuous deployment.
- Developed front-end using HTML, CSS & JavaScript to provide an intuitive and interactive user interface.

Expense Tracker   *March 2024 – April 2024*

- Streamlined the expense tracking process by automating entry logging and budgeting features.
- Architected a Lambda-powered **budgeting tool** with **Python**, handling over 1,000 entries.
- Integrated **DynamoDB** for fast, serverless storage and real-time querying.
- Deployed with cost-efficient configurations and fault-tolerant design.

Stock Management System   *Oct 2023 – May 2024*

- Engineered backend logic in **MySQL**, hosted on **AWS**, for real-time inventory tracking.
- Reduced query latency by **40%** through index optimization and structured data design.
- Real-time stock tracking, intuitive user interface, customization option, handled **500**+ stock items.

CERTIFICATIONS

- AWS Cloud Computing Certification – Udemy (2024).
- Published Research: "**Crypto Wallet Security**" in IRJMETS (2025)

SKILLS

Programming: Python, HTML/CSS, SQL

Cloud & DevOps Tools: AWS, Docker, Git, Jenkins, Terraform, GitHub Actions

Tools: VS Code, XAMPP, Apache NetBeans