Aditya Dubey

Email | LinkedIn | GitHub | Portfolio

EDUCATION

D Y Patil International University — Pune, India
B.Tech in Computer Science — *2023 – 2027 (Expected)*

EXPERIENCE

Software Engineer Intern — May 2025 – Aug 2025
Jio Platforms Ltd. — *Mumbai, India*

- Co-developed an NL2SQL engine converting natural-language queries into SQL across 70+ MariaDB tables with 97% benchmark accuracy.
- Built an SMS deduplication utility processing 50k+ records in under 5 seconds, validated using Kibana analytics.
- Contributed automated regression test cases using Robot Framework integrated into Azure DevOps CI/CD pipelines.

Web Developer Intern — Jun 2024 – Aug 2024
Bharatiya Samaj Seva Kendra (NGO) — *Pune, India*

- Designed and developed a responsive website improving accessibility and online presence for beneficiaries.
- Optimized website performance, achieving a 90+ Lighthouse score and reducing document retrieval time by 60%.

PROJECTS

OculusAI | Next.js, Flask, TensorFlow/Keras, Streamlit — 2025

- AI-powered platform for retinal disease detection and color blindness testing.
- Built a multi-interface system including a Next.js web app, Streamlit dashboard, and REST API. Used EC2 for backend and Amplify for frontend.

EchoDB | FastAPI, PostgreSQL, Docker, GitHub Actions — 2025

- Natural language to SQL query tool with approval layer and full CRUD support.
- Containerized backend using Docker and implemented CI pipelines with GitHub Actions for automated testing and builds.

TaskPrism | Python, Streamlit, NetworkX, Plotly — 2024

- Visual task and resource allocation tool using graph coloring algorithms.
- Interactive dependency mapping, priority handling, and Gantt chart visualization.

TECHNICAL SKILLS

Cloud & DevOps: AWS, Docker, GitHub Actions, Azure DevOps, CI/CD Pipelines
Languages: Python, JavaScript, SQL, HTML/CSS
Frameworks: FastAPI, Flask, React, Next.js, Node.js
Tools: Git, GitHub, Kibana, Robot Framework, Linux, VS Code

CERTIFICATIONS

AWS Cloud Quest: Cloud Practitioner — Amazon Web Services
Issued Sep 2025

AWS Cloud Practitioner Essentials — Amazon Web Services
Issued Aug 2025

Git Essential Training — LinkedIn
Issued Jun 2024

LEADERSHIP

AWS Cloud Club Captain — D Y Patil International University
Club Captain — *Nov 2025 – Present*

- Selected as a Captain by the global AWS Cloud Clubs Program. Leading AWS workshops and mentoring students on cloud fundamentals and best practices.