

# ADITYA YADAV

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## Summary

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Full-stack developer with a strong foundation in Python, focused on building clean, scalable, and user-centric applications. Experienced in frontend frameworks (React, Astro, Angular) and backend systems (Node.js, FastAPI), with hands-on exposure to databases, cloud platforms, and AI/ML tooling. Comfortable working in Linux environments, version-controlled workflows, and modern DevOps pipelines. Actively building real-world projects, exploring AI-powered solutions, and contributing toward open-source growth.

## Education

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### University of Engineering and Management

*Bachelor of Technology in Computer Science and Information Technology*

- CGPA: 8.24/10.0

**Newtown, India**

*Expected 2027*

### Orient Day School

*ICSE (81.3 percent), ISC (69.5 percent)*

**Kolkata, India**

*2013 - 2023*

## Technical Skills

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**Programming Languages:** Python, TypeScript, JavaScript, Java, C, SQL

**Frontend Technologies:** Astro, React, Angular, Tailwind CSS, HTML, CSS

**Backend Technologies:** Node.js, FastAPI, Django, REST API, Express.js

**AI and Machine Learning:** TensorFlow, PyTorch, Pandas, OpenCV, NLP, Deep Learning

**Databases:** MongoDB, MySQL, PostgreSQL, Oracle Database

**Cloud and DevOps:** AWS, Google Cloud Platform, Docker, Kubernetes, Firebase, GitHub Actions, CI/CD

**Tools:** Git, GitHub, Vim, Linux, Ubuntu, Windows, Visual Studio Code

## Projects

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### WebVault | *Astro, Node.js, MongoDB, Tailwind CSS, CSS*

- Enhanced a curated repository of websites and resources across domains with clean, responsive UI built using Astro and Tailwind CSS
- Implemented search and filtering functionality with domain-wise categorization and scalable backend for efficient discovery

### RoadmapX | *Astro, FastAPI, PostgreSQL, Tailwind CSS, CSS*

- Expanded a structured learning platform offering step-by-step career roadmaps in business, finance, science, and management
- Built interactive progress dashboards using Astro and CSS with milestone tracking powered by FastAPI backend

### AI Chat Assistant | *Python, TensorFlow, PyTorch, Flask, NLP*

- Improved conversational AI assistant for answering queries and providing contextual guidance across domains
- Integrated multi-domain knowledge base with vector embeddings and transformer models (85% accuracy) for semantic search

## Certifications

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### Machine Learning and Deep Learning Specialization

*Online Certification*

- Completed comprehensive training in ML algorithms, neural networks, and deep learning architectures
- Applied supervised and unsupervised learning techniques to real-world datasets and projects

**Coursera**

*2024 - 2025*

### Full Stack Web Development and Cybersecurity

*Online Certification*

- Gained hands-on experience building responsive web applications using React, Django, and modern web technologies
- Studied cybersecurity fundamentals including network security, encryption, and vulnerability assessment

**LinkedIn Learning**

*2023 - 2024*

## Professional Skills

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**Soft Skills:** Effective Communication, Critical Thinking, Problem Solving, Team Collaboration, Adaptability

**Languages:** English (Fluent), Hindi (Fluent)