ADITYA PATIL

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Profile Summary

Final-year Computer Science and Engineering Student & Researcher, experienced in Java, Angular, Machine Learning, SQL, and Bootstrap. I have built end-to-end web applications and am currently exploring large language models (LLMs) to create intelligent features. Proficient in Agile methodologies, SDLC principles, and cross-functional teamwork. Skilled in building scalable applications through internships, hackathons, and academic projects.

Education

B.Tech in Computer Science Engineering (CGPA: 8.10)   2021 – 2025

Sharad Institute of Technology College of Engineering | Minor in Artificial Intelligence

Secondary Education (80%)   2020-2021

Shree Vinod Shivaji Bhate Junior College

Skills

Technical Skills: Java,Python, Angular, LLM, Agentic RAG, MySQL, Microservices, DSA ,Web Devolvement ,C

Soft Skills: Team Leadership, Problem Solving, Software Development, Lifecycle Management

Projects

BodySync CNN: Tumor Prediction [View Project]   2024

● Created a CNN-based tumor detection model, achieving 98% accuracy on 1,000+ MRI and CT scans, and increased prediction speed by 20%. TechStack: Python, TensorFlow, Flask, HTML, CSS, JavaScript.

Java-Real-Time-Chat-Application-with-Encryption [View Project]   2023

● Real-time chat app 80% secure end-to-end encryption using AES. Combines seamless communication between client-server. TechStack: Java Swing and etc.

Java-Blogging-and-Article-Management-Platform [View Project]   2023

● Blogging platform that enables users to draft, format, publish, and categorize articles. Includes 80% features like a rich text editor, post scheduling, and draft management. TechStack: Java, HTML, CSS, JavaScript, Spring Boot, MySQL.

Text-to-Image Generator [View Project]   2023

● Designed a GAN-based web app generating images from text with 92% accuracy, simplifying user input and boosting adoption rate by 30% in pilot testing.

Agentic Resume-JD Intelligence System – Reliance Industries Ltd. [View Project]   2025

● Developed a full-stack HR platform using Crew AI agents & Angular with custom OCR pipeline intelligently match resumes with job descriptions, providing alignment suggestions Enhanced existing Angular Frontend TechStack: Angular, Python, CrewAI, RESTAPIs.

Experience

Full Stack Developer Intern – Reliance Industries Ltd.   Feb 2025 – Current

- Developed and deployed LLM-based RAG pipelines using ChromaDB, Vector Databases, and custom LLM agents, enhancing retrieval accuracy and automating complex workflows.
- Angular-based front-end applications built and optimized for internal tools, improving user experience and delivery speed in real-world industry projects.

Senior Website Developer – **Vidyasanmatidas**   **Jan 2023 – May 2025**
- Built data models to analyze stock data trends, increasing the accuracy of the model by 15%.
- Improved prediction speed by 20% through team collaboration in the validation of results.

Salesforce Developer – **Salesforce**   **Aug 2023 – Sep 2023**
- Hands-on experience in Apex programming and Lightning Web Components, focusing on building custom applications.

AI-ML Virtual Internship – **Google for Developers**   **Jun 2023 – Jul 2023**
- Gained hands-on experience in machine learning algorithms, data preprocessing, and model deployment using Google AI tools and frameworks.

Android Developer Virtual Internship – **Google for Developers**   **Mar 2023 – Apr 2023**
- Developed Android applications using Kotlin and Java, focusing on UI/UX design and mobile app development best practices.

Hackathons

1st Place: DIPEX2024 State-Level Hackathon   Peruse

2nd Place: Expo2024 Hackathon (IET Expo2024 Hackathon, 2024)   Peruse

Awards and Honors

Leadership: Led in DIPEX2024 Hackathon 1st place in Hackathon (2024)   Peruse

Leadership: Led in IET EXPO2024 Hackathon 2nd place in Hackathon (2024)   Peruse

Government Approach: State Government of Maharashtra Approach for Development and interest of BodySync Peruse

Patents

BodySync CNN: Patent holder for the project tumor prediction using CNN   Look Into

Research Papers

Authored a research paper on BodySync CNN, detailing a 98% accurate tumor detection system   (IEEE) Discover

Explored Text-to-Image models, demonstrating advanced image generation capabilities   (IEEE) Discover

Extra-Curricular Activities

Event Organization: Organized and managed college events, including coding and project competitions   Review

Coordination: Student Head for Innovation 2K24, organizing programming and project contests   Review

Technical Lead: Senior Technical Lead of COMPESA, overseeing the technical event Celestra2k24   Review