

Aditya Elango

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Objective

Computer Science undergraduate experienced in AI/ML, cloud platforms (AWS, Azure), and full-stack development. Built and deployed end-to-end systems using Python, JavaScript, React, Node.js, MongoDB, and SQL, integrating ML models and LLM workflows on Vercel and Render. Seeking to solve complex problems and deliver impactful, fault-tolerant, scalable solutions.

Education

Amrita Vishwa Vidyapeetham, Bengaluru

Bachelor of Technology – Computer Science & Engineering; CGPA: 7.55

Sept 2022 - June 2026

Narayana E Techno School, Bengaluru

CBSE 12th; Percentage: 76%

May 2021 - June 2022

Narayana Olympiad School, Bengaluru

CBSE 10th; Percentage: 91.2%

May 2020 - June 2021

Skills

- Programming & Databases:** Python, Java, C, C++, JavaScript, SQL, Bash, Haskell, HTML, CSS, MongoDB, MySQL.
- AI/ML & LLM Systems:** Machine Learning, Deep Learning, CNNs, LSTM, XGBoost, Random Forest, Scikit-learn, TensorFlow, Keras, PyTorch, Local LLM Inference (Ollama), NLP, Tableau, Power BI.
- Web & Backend Frameworks:** React.js, Next.js, Node.js, Express.js, Flask, Spring Boot.
- Cloud & DevOps:** AWS, Azure, Docker, Kubernetes, Terraform, Jenkins, GitHub Actions (CI/CD), SDLC, Agile/Scrum.
- Tools & Platforms:** Git, Vercel, Render, Streamlit, Gradio, Firebase, Figma.
- Soft Skills:** Analytical Thinking, Problem Solving, Leadership, Adaptability, Team Collaboration, Event Management.

Internships

DevOps and Cloud Intern

May 2025 - July 2025

Hexaware Technologies – Onsite (Chennai)

- Executed 25+ hands-on tasks applying SDLC and DevOps practices, working with Git workflows, CI/CD pipelines, Docker, Kubernetes, Terraform, Jenkins, and YAML to build consistent development and deployment workflows.
- Completed 6+ weeks of Agile-based training, writing and debugging automation scripts and pipeline configurations, managing resources using Microsoft Azure, and documenting 10+ workflows for repeatable execution and troubleshooting.

Projects

Smart Assistive Learning System for Dyslexia & Dysgraphia

Aug 2025 - Nov 2025

- Created a multimodal AI assessment system analyzing handwriting, speech, and cognitive patterns built on CNN-based models, enabling longitudinal tracking across 5+ learning metrics via a Node.js and MongoDB backend.

Insightify – AI Document Analyzer

Jan 2025 - May 2025

- Engineered an NLP-driven document intelligence application powered by RoBERTa, automating extraction and summarization of 10+ legal and financial attributes, deployed on Vercel and Render.

Budget Buddy – Smart Expense Tracker

Nov 2023 - Dec 2023

- Implemented a cloud-based full-stack application using React, Node.js, MongoDB, and MySQL to track expenses and budgets, processing 100+ transactions per user with analytics dashboards.

Publications

Predictive Analytics: A ML Approach for Food Production and Sales – COMP-SIF 2025, BMSIT&M

Mar 2025

Built LSTM and XGBoost forecasting models with SHAP and LIME, achieving **94% prediction accuracy** and winning the **Best Paper Award**.

FlexAssist: Sensor-Based Glove for Hand Function Assessment – STCR 2025, BIT Sathy

May 2025

Designed an ESP32-based sensor glove streaming real-time data into ML models for continuous motor function assessment.

Secure and Tamper-Proof Exam Center Attendance System – ICECA 2025, IEEE

Nov 2025

Implemented a multi-factor attendance system combined with NFC and encrypted QR codes, enabling **sub-5s verification** per student.

Certifications

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate

Aug 2025

DevOps and Continuous Integration/Continuous Delivery (CI/CD)

May 2025

Introduction to Git and GitHub

Apr 2025

AWS Academy Graduate – Cloud Foundations

Mar 2025

Achievements & Leadership

Vice President, CSI ASEB (Computer Society of India)

Aug 2024 - Aug 2025

Organized and led 5+ technical events, including coding challenges, hands-on workshops, and multi-round technical quizzes.

Most Innovative Team – Tech Triumph Hackathon, IEEE CIS

May 2023

Developed a surplus food redistribution service connecting restaurants with orphanages; recognized for innovation and impact.

Student Volunteer, Shiksha NGO

Jan 2025

Mentored 50+ students learning through creative teaching methods such as games, sports, music, and art activities.