





Adhul Thiruvén Maruthi

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SUMMARY

Began my journey in tech by solving real-world challenges—starting with chatbots and growing into full-stack apps, AI-driven systems, and UAV optimization. From leading national-level hackathon projects to building tools for sustainability, law, and finance, I focus on creating meaningful, scalable tech that drives real impact. I'm not just building projects—I'm shaping purposeful innovation.

EDUCATION

Vignan Institute of Technology and Science 2022–2026
Bachelor of Technology in Computer Science Engineering (Data Science)

SKILLS

- Programming and Development: Python, Gen AI LLMs, JavaScript, HTML/CSS, L^AT_EX
- Web Development: React.js, Node.js, Express.js, REST APIs, JSON, Axios
- AI/ML, Data Engineering: Natural Language Processing (NLP), Machine Learning (Scikit-learn, TensorFlow), PySpark, Apache Spark, Databricks, Pandas, NumPy
- Soft Skills: Team Collaboration, Communication, Public Speaking, Problem Solving, Fast Learner.

EXPERIENCE

Backend Developer Intern May 2025 – June 2025
Turtl.co *Hybrid*

- Developed an offline microservice to evaluate candidate resume-job fit using skill extraction and semantic matching.
- Integrated the backend with a modern React frontend and ensured end-to-end Dockerized deployment.
- Built and deployed a RESTful API using FastAPI to serve resume scoring and learning path recommendations.

AI: Transformative Learning Intern Dec. 2024 – Jan. 2025
TechSaksham *Remote*

- Designed and implemented a Natural Language Processing (NLP)-based chatbot for legal support.
- Integrated Gemini API for generating responses based on user queries and knowledge base.

AI Financial Analyst (Virtual Experience) Apr. 2024 – May 2024
BCGX Forage *Remote*

- Completed a simulated AI-powered financial chatbot project focused on real-world financial data analysis.
- Extracted insights from 10-K filings of Microsoft, Apple, and Tesla using Python and NLP techniques.

PROJECTS

ECOVEDA *Sustainable Living Platform with Gamified Education*

- Integrated point-based rewards, aligned with UN SDGs, and personal sustainability challenges.
- Encouraged responsible lifestyle adoption using React.js, Firebase, and user progress tracking.
- Presented at Buildverse Hackathon (Scaler School of Tech, Bangalore) and advanced to Round 2 with Team Saga.

THE GIVING PLATE *Surplus Food Redistribution Platform*

- Developed a map-based web platform to connect food donors with NGOs, orphanages, and old-age homes.
- Implemented Maps API for locating nearby NGOs and enabling real-time donation tracking.
- Addressed food waste and hunger by streamlining surplus food redistribution in urban areas.

CERTIFICATIONS

- **CS50's Introduction to Programming with Python:** – HarvardX — July 2025
- **Cloud Computing (Elite Silver Certification)**– NPTEL — November 2024
- **The Complete Python Developer in 2023: Zero to Mastery** – Udemy — August 2023