

Haritha.S

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Education

Bachelor of Technology (Artificial Intelligence and Data Science)	🔗	November 2022 – Present
RRASE College of Engineering, Chennai		CGPA 7.90
Higher Secondary Education(TN State Board)	🔗	May 2022
Ananthavalli Matriculation Higher Secondary School		70.5% (XII)
Secondary Education	🔗	July 2020
Alwin International Public School		75.0% (X)

Experience

Summer Intern		August 2025 – October 2025
Zoho Corp.		On-site (Chennai, India)
• Developed and implemented AI/ML testing strategies for Zoho CRM's Recommendation Systems, ensuring high accuracy and performance.		
• Applied LLMs (GPT, BERT, T5) for a Resume Parsing System, significantly enhancing data extraction efficiency.		
• Integrated OCR for ATS Tracking within Zoho CRM, automating document data entry and boosting user productivity.		
Project Intern		March 2025 – May 2025
Ministry of New Renewable Energy		On-site (New Delhi, India)
• Developed and deployed a solar energy predictive model for the MNRE/NIC Division, maximizing production rates and efficiency.		
• Utilized key metrics, including solar irradiance, temperature, and humidity, to generate high-accuracy optimization forecasts.		
• Presented complex optimization analytics and results via a streamlined web interface, receiving good feedback from Senior Scientists.		

Technical Skills

Primary Languages: Python (Expert), Java, JavaScript, C++, HTML, CSS

AI/Deep Learning Frameworks: PyTorch, TensorFlow, Scikit-Learn, OpenCV, YOLOv Models

Model Deployment & API: REST API Design, POSTMAN API, Streamlit

Architecture & Fundamentals: Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), SDLC, Generative AI, Statistics, Computer Networks, Artificial Intelligence, Machine Learning, Operating Systems, DBMS

Data & ML Engineering: SQL (Proficient), Pandas, NumPy, Git (Version Control), ETL Concepts

Tools & Visualization: VS Code, Power BI, Excel, Matplotlib, Seaborn, GitHub

Projects

FactForge: Comprehensive Solution to Combat Misinformation and Scams -[GitHub](#) [🔗](#), Deployed [🔗](#) September 2025

- Engineered and deployed "FactForge," a scalable, multi-lingual fact-checking platform that verifies real-time news and rumors in languages including Hindi and Tamil.
- Developed a sophisticated RAG architecture using LLMs, Sentence-Transformers, and Milvus/FAISS for contextual verification, while integrating Scrapy and Tesseract OCR for hybrid data capture.
- Built the high-performance backend using FastAPI and Kubernetes to ensure scalability and defined metrics (Accuracy, Latency, Containment) for measuring impact on Public Health and digital integrity.

AI-Driven Optimization based on Solar Energy Forecasting Data Analysis. -[GitHub](#) [🔗](#), Deployed [🔗](#) May 2025

- Conducted comprehensive research comparing LSTM, CNN, and Hybrid AI architectures for solar energy forecasting performance across various studies.
- Developed an interactive, Flask-based dashboard utilizing AdminKit and Bootstrap to visualize model comparisons, optimization insights, and core metrics (e.g., R2, error rates).
- Identified the most accurate and cost-efficient forecasting model to demonstrate tangible impact on smart grid optimization, energy demand planning, and operational efficiency.

Achievements

- NPTEL Certification in Data Science in Python [🔗](#)
- Solved 100+ Leetcode Problems [🔗](#)
- Google GenAI Exchange Hackathon Team Lead [🔗](#)
- Got Good Conduct from a Scientist at the Ministry of New Renewable Energy [🔗](#)