

# Hariharasudhan G A

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## EDUCATION

<b>Bachelor of Technology in Artificial Intelligence and Data Science</b>	2022–Present (Expected July 2026)
SNS College of Engineering, Coimbatore	CGPA: 8.0

## TECHNICAL SKILLS

- **Languages:** C++, Python, Java, Javascript, HTML/CSS
- **Libraries/Frameworks:** C++ STL, Python Libraries (scikit-learn, TensorFlow, Pandas, NumPy), ReactJs, NodeJs
- **Tools:** VSCode, Git, Github
- **Databases/Cloud:** MongoDB, Firebase, MySQL
- **Coursework:** Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, Database Management Systems, Software Engineering
- **Areas of Expertise:** Distributed Systems, Natural Language Processing, Machine Learning, Web Development, Optimization
- **Soft Skills:** Problem Solving, Communication, Adaptability, Leadership

## PERSONAL PROJECTS

### LLM-Powered Search and Summarizer

- Developed a Python-based AI search assistant using Ollama (qwen3:4b) to query web data, scrape results, and deliver concise summaries in real time, minimizing reliance on paid APIs.
- Built an efficient pipeline with Google Programmable Search Engine, Newspaper3k, and Streamlit, ensuring scalable and reliable performance for distributed applications.

### House Price Prediction Model

- Designed a machine learning model using Python and scikit-learn, achieving 92% accuracy in predicting house prices on a 10,000-sample dataset through optimized regression techniques (linear regression, random forest, gradient boosting).
- Enhanced model performance via feature engineering and hyperparameter tuning, applying object-oriented design for maintainable code.

## INTERNSHIPS

### Full Stack Development Intern | Techadors

Jul–Aug 2024

- Built a React.js and Flask web application with MongoDB integration, improving user engagement by 30% through UI/UX enhancements and reducing API response time by 25% with optimized REST APIs.
- Led feature development in an Agile environment, delivering 3 sprints ahead of schedule through effective communication and problem-solving.

### AI with Python Intern | Microsoft

Aug–Sep 2024

- Developed ML models using TensorFlow and scikit-learn for a distributed system, achieving 90% accuracy in predictive analytics by optimizing classification and regression algorithms.
- Implemented NLP solutions on UNIX/Linux platforms, integrating AI ethics and resolving complex issues through collaborative teamwork.

## CERTIFICATIONS

- Microsoft – Career Essentials in Generative AI (Dec 2024)
- Microsoft – Career Essentials in Data Analysis (Dec 2024)
- Walmart Global Tech – Advanced Software Engineering Job Simulation (Jan 2025)
- Goldman Sachs – Software Engineering Job Simulation (Dec 2024)
- Google – Introduction to Gemini for Google Workspace (Jul 2024)
- Google – Data Visualization: Empowering Business with Effective Insights (Dec 2024)