

Harish S.S.

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Profile

A proactive computer science engineer with specialization in Artificial Intelligence.

Proficient in C, C++, Java, Python, MATLAB, Web Development, and Data Analytics.

Strong foundation in designing, developing, and optimizing AI-based solutions with a focus on innovation and scalability.

Exceptional problem-solving abilities, teamwork, and creative thinking for complex system challenges.

Education

Amrita School of Engineering, Amrita Vishwa Vidyapeetham Coimbatore, Tamil Nadu <i>B.Tech. in Computer Science and Engineering (Artificial Intelligence)</i>	2023 – (2027)
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- CGPA: 7.56 / 10

Montfort Anglo indian Hr sec school yeracud, salem, Tamil Nadu <i>HSC/ AISSCE (11 – 12th Std.)</i>	2021 – 2023
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- Marks: 516/ 600
- Percentage: 86.6%
- Subjects: Maths, Physics, Chemistry, English, Biology

Montfort Anglo indian Hr sec school yeracud, salem, Tamil Nadu <i>SSLC/ AISSE (10th Std.)</i>	2021
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Technical Skills

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- **Programming Languages:** C++, Java, Python, C, MATLAB, MySQL
 - **Web Development:** HTML5, CSS3, JavaScript, Flask, Bootstrap, Tailwind, MERN
 - **Productivity Tools:** Microsoft Excel, Word, PowerPoint, Overleaf, Power BI
 - **IDEs & Development Tools:** VS Code, Spyder, Android Studio, Cisco Packet Tracer, Qiskit
 - **Frameworks:** Git, GitHub, OpenCV, TFLite, Flutter, Arduino, WSL, IBM Watson Studio

Languages

• English • Tamil

Technical Interests

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- Machine Learning and Data Science
 - Cloud and Quantum Computing
 - Web Development and IoT
 - Data Structures & Algorithms (DSA) and Design & Analysis of Algorithms (DAA)

Achievements

- IoT Engineer (Mar 2024 – Present)
Intel IoT Club, Amrita Vishwa Vidyapeetham
Conducted IoT workshops, seminars, webinars, and hackathons.
- Tech Team - AI Vertical Member
IETE(Institution of Electronics and Telecommunication Engineers) Club, Amrita Vishwa Vidyapeetham
Organized tech events and workshops on emerging AI technologies.
- R&D Member
Tensor Club, Amrita Vishwa Vidyapeetham
Conducted tech events and workshops on Machine Learning and emerging technologies.

Projects

Expense Tracker Application Management System Dec 2023 – march 2024 (4 month)

Developed a full-stack web app with modules for Admin, Users, and Money Exchangers to manage expenses, billing, and cash handling.

Tech Stack: Java, JSP, SQL, XML, JavaScript, SASS, SCSS, CSS

Jan 2024 – feb 2024 (1 month)

Human-Following Robot with Autonomous & Manual Web Control

Designed a real-time human-following robot using YOLOv8, MediaPipe, and Raspberry Pi with gesture control, PID tracking, and adaptive lighting support.

Tech Stack: Python, YOLOv8, MediaPipe, Raspberry Pi, React, TypeScript, Tailwind CSS, shadcn-ui

Feb 2025 – April 2025 (2 month)

AI-Powered Stroke Early Warning System

Built a real-time stroke prediction app using React, Flask, and MQTT-integrated IoT (MAX30102 + ESP8266) with live alerts via LCD, buzzer, and email.

Tech Stack: React (Vite + TypeScript), Flask, MQTT, Python, MAX30102, NodeMCU, Tailwind CSS, shadcn-ui

March 2025 – April 2025 (1 month)

AI-Powered Job Recommendation & CV Matching System

Developed a smart job portal using NLP and real-time APIs to match CVs with job posts via TF-IDF similarity; supports CV parsing, ranking, and export.

Tech Stack: Python, Streamlit, SpaCy, NLTK, TF-IDF, Jooble API, PyMuPDF, Pandas