

Harshitha B S

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Professional Summary

Self-motivated and passionate Full Stack Developer with strong knowledge of Core Java, Java SE, and OOPs principles. Excellent team player, always curious and eager to learn new technologies, solve real-world problems, and collaborate effectively with diverse teams.

EDUCATION

K S School Of Engineering And Management, Bengaluru	2022-2026
<i>Bachelor of Engineering, Computer Science and Business Systems – 8.71 CGPA (up to 6th semester)</i>	
Jyothy Kendriya Vidyalaya Composite PU College, Bengaluru	2020-2022
<i>State Board - PCMCs - 83.83%</i>	
Lady Wellington School, Bengaluru	2018-2020
<i>State Board - 94.88%</i>	

PROJECTS

- **RetinaVision : Training a CNN for Eye Disease Prediction** - Python, Flask
 - An AI-based system that uses CNNs to detect and classify seven retinal diseases: Diabetic Retinopathy, Glaucoma, Cataract, Diabetic Macular Edema (DME), Drusen, Choroidal Neovascularization (CNV), and Normal.
- **[EmpowerHer](#)** - Python
 - A multilingual Streamlit chatbot for women that offers AI-driven support using Groq's LLaMA3 model.
 - It includes an SOS emergency alert feature that sends live location via SMS using Twilio, along with real-time translation using Deep Translator.
- **[Student Performance Analysis](#)** - Python, Streamlit
 - Built an interactive Streamlit app to analyze student performance using data visualization and ML models like Random Forest and Linear Regression for score prediction and classification.
 - Included personalized recommendations and future performance forecasting using trend analysis with real-time visual feedback
- **[Smart Kitchen Assistant](#)** - React.js, TypeScript, CSS
 - Built an AI-powered web app that identifies ingredients via image (TensorFlow.js + COCO-SSD) and voice input, then recommends recipes using the Spoonacular API.
 - Integrated real-time webcam detection, voice-to-text, and a smart shopping list with Blinkit to reduce food waste and streamline grocery planning.
- **[Vision Companion](#)** - Python, Flask, JavaScript, HTML
 - Developed a real-time YOLOv5-based object detection app with webcam, video, and image support.
 - Integrated class filtering, FPS monitoring, and snapshot capture in a responsive web app.

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, Java
- **Web Development:** HTML, CSS, PHP, React.js
- **Frameworks & Libraries:** Node.js (Basics), Streamlit
- **Databases:** MySQL, MongoDB
- **Tools:** Git, GitHub, Postman, VS Code, Eclipse
- **AI/ML:** TensorFlow, Scikit-learn, OpenCV, Pandas, NumPy
- **Concepts:** Object-Oriented Programming (OOP), Data Structures & Algorithms
- **Professional Skills:** Leadership, Adaptability, Time Management, Critical Thinking, Fast Learner

CERTIFICATIONS

- [Microsoft Applied Skills: Create and manage canvas apps with Power Apps](#)
- [Applied Artificial Intelligence: Practical Implementations](#)
- [Node.js Essential Training](#)
- [Docker: Your First Project](#)
- [Prepare for the MongoDB Java Developer Associate Certification \(Learning Path\)](#)
- [Postman API Fundamental Student Expert](#)
- [Frontend for Java Full Stack Development](#)
- [Breast Cancer Prediction Using Machine Learning](#)
- [Responsible AI: Applying AI Principles with Google Cloud](#)
- [Introduction to Responsible AI](#)
- [Introduction to Large Language Models](#)
- [Fundamentals of Java Programming](#)
- [Data Analysis in Python: Using Pandas DataFrames](#)
- [Customer Service with Python: Build a Chatbot using ChatGPT](#)
- [Introduction to Generative AI](#)
- [PHP Tutorial](#)

ADDITIONAL INFORMATION

- **Hackathons/Competitions:**
 - **ADVAYA 2K25** Participated in a 24-hour hackathon hosted by Sri Sairam College of Engineering, Bengaluru.
 - **CodHer'25** Competed in a 24-hour national women-centric hackathon by ACM CEG, built an automation prototype with Team Codesky.
- **Languages:** English (Professional), Kannada (Native), Hindi (Limited)
- **Interests:** Volunteering, Rangoli, Badminton