

Sharath Raj H K

📍 Mysore, India ✉ sharathrajhk05@gmail.com ☎ +91-9108544466 📁 Portfolio in LinkedIn 🐙 Github

Education

St. Philomena's College (Autonomous)

Master of Computer Applications (Currently Pursuing); GPA: 7.27

Mysore, India

Jan 2023 - Oct 2025

Bapuji Institute of Hi-Tech Education

Bachelor of Computer Application; GPA: 7.45

Davanagere, India

Jan 2020 - Sep 2023

Skills Summary

Languages : Java, Python.

Databases : MySQL, MongoDB.

Web / Full-Stack : React, Node.js, Express.js, Spring Boot, JWT.

AI/ML Frameworks : TensorFlow, Keras, Scikit-learn, CNN Models.

Tools & Platforms : VS Code, Git/GitHub, Postman, JMeter, AWS.

Experience

rProcess Outsourcing Services Pvt. Ltd. | [Link](#)

Mysore, India

Full Stack Developer Intern

June 2025 - July 2025

- Built MERN asset management with JWT authentication and role-based access control for secure, authorized access.
- Implemented modular frontend architecture with reusable components, ensuring faster development and maintainability.
- Implemented CSV/PDF export modules to let admins generate reports, analyze records, and support data-driven decisions.
- Verified APIs with Postman, ran comprehensive load/stress tests using JMeter, efficiently managed collaborative development on GitHub, and securely hosted and maintained the app on the organization's production server.
- Collaborated within a cross-functional team, demonstrating communication and teamwork skills to ensure project success.

TechSaksham AI Internship – Edunet Foundation | [Link](#)

Remote

AI Intern (Microsoft & SAP Initiative)

Feb 2025 - Mar 2025

- Completed an internship under the joint CSR initiative of Microsoft SAP, implemented by Edunet Foundation under AICTE, focusing on artificial intelligence and its real-world applications.
- Contributed to an AI-powered Resume Screening System, focusing on design and model building for problem-solving.
- Applied advanced AI techniques to diverse practical real-world use cases, strengthening understanding and skills.
- Gained valuable exposure to how AI is transforming businesses and technology across multiple domains and industries.
- Demonstrated adaptability by quickly acquiring new AI concepts and applying them to varied industry challenges.

Projects

Neuro Nav - A Multi-Modal System for Hands-Free Computer Control | [Link](#)

September 2025

(React, Python, Flask, OpenCV)

- Successfully developed an AI virtual mouse using a custom dataset of open and closed eye states for blink-based control.
- Efficiently trained a CNN model for eye state detection and integrated real-time head tracking for cursor movement.
- Enabled highly reliable click actions by detecting prolonged eye closures with timed activation to avoid false clicks.
- Exhibited problem-solving and innovation by designing creative AI solutions to overcome real-time interaction challenges.

MiniMart – Advanced Integrated Platform for Sales and Inventory Management | [Link](#)

April 2025

(React, Spring Boot, PostgreSQL)

- Developed a comprehensive role-based minimart app with Admin, Manager, Staff modules for secure, role-specific access.
- Built robust product management, efficient inventory tracking, and seamless order processing features using RESTful APIs.
- Delivered efficient data management and reliable daily operation for day-to-day minimart activities.
- Demonstrated leadership and ownership by driving feature development across modules and ensuring seamless integration.

Budget Tracker – Intuitive Platform for Budgeting and Financial Planning | [Link](#)

January 2025

(React, TypeScript, Dexie)

- Developed a budget tracker app to record and categorize income, expenses, and savings for financial monitoring.
- Implemented accurate real-time calculations and insightful summaries to provide instant feedback on spending and budgets.
- Designed an intuitive interface with interactive charts and reports to help users visualize their financial status clearly.
- Exercised strong analytical thinking to deliver accurate insights and actionable financial planning support for users.

Certifications

- Certified in Java Programming for Beginners, with practical coding and programming skills | **Simpli Learn.**
- Software Engineering and Agile software development using iterative incremental approaches | **Infosys Springboard.**
- Young Professional Career Edge Certification in Communication, Soft Skills, Interview, IT Basics, and AI | **TCS ION.**

Extracurricular Activities

- Competed in **Dataviz** conducted by the Army Institute of Technology (AIT), Pune April, 2025
- Secured **1st place** in Collage Making in Deplomat event at De Paul College, Mandya May, 2024
- Participated in the Flipkart GRiD 6.0 - Software Development Track E-Commerce & Tech Quiz July, 2024

In Progress

- Learning basics of Data Structures Algorithms as a beginner.
- Exploring fundamental concepts of System Design at beginner level.