Sharath Raj H K

 Mysore, India ✉ sharathrajhk05@gmail.com 📞 +91-9108544466 🔗 Portfolio in Linkedin   Github

Education

St. Philomena's College (Autonomous)	*Mysore, India*
Master of Computer Applications CGPA: 7.27	*Jan 2023 - Present*
Bapuji Institute of Hi-Tech Education	*Davanagere, India*
Bachelor of Computer Application; CGPA: 7.45	*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 — *May 2025 – June 2025*

- Built scalable MERN asset management system with JWT authentication and role-based secure access, improving retrieval speed by 30%.
- Designed a modular React frontend with highly reusable components and CSV/PDF reporting features.
- Tested APIs with Postman, performed JMeter load testing, and successfully deployed on production servers.

TechSaksham AI Internship – Edunet Foundation | Link — *Remote*
AI Intern (Microsoft & SAP Initiative) — *Feb 2025 – Mar 2025*

- Interned under Microsoft & SAP CSR initiative via Edunet Foundation, focusing on AI applications.
- Contributed to AI-based Resume Screening System by assisting in model design, development, and testing.
- Gained exposure to real-world AI use cases and demonstrated adaptability by learning emerging concepts, enhancing screening accuracy by 15%.

Projects

Neuro Nav - A Multi-Modal System for Hands-Free Computer Control | Link — *Present*
(React, Python, Flask, OpenCV)

- Built AI virtual mouse using custom eye-state dataset, enabling blink-based control and real-time interaction.
- Trained CNN model for eye detection and integrated head tracking for smooth, accurate cursor movement with 92% accuracy.
- Implemented reliable click actions with prolonged eye closure detection and timed triggers to reduce false positives.

MiniMart – Advanced Integrated Platform for Sales and Inventory Management | Link — *April 2025*
(React, Spring Boot, PostgreSQL)

- Built role-based MiniMart app with Admin, Manager, and Staff modules for secure access control.
- Implemented product management, inventory tracking, and order handling via REST APIs to streamline operations, reducing processing time by 30%.
- Delivered end-to-end features with smooth integration, efficient data handling, and reliable daily usability.

Budget Tracker – Intuitive Platform for Budgeting and Financial Planning | Link — *January 2025*
(React, TypeScript, Dexie)

- Built budget tracker app to log income, expenses, and savings for effective financial monitoring.
- Added real-time calculations with summaries and interactive charts to provide spending and budget insights.
- Designed intuitive interface with clear reports to support better financial planning and decisions, increasing engagement by 35%.

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

Demonstrated my final year project, Neuro Nav, at **Techno Expo 3.0**, St. Philomena's College.	Aug, 2025
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