



BHARATH RAJ B

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SUMMARY

Enthusiastic CSBS student skilled in **machine learning, data analytics, and full-stack development**, with hands-on experience building real-time IoT and AI-driven systems. Strong at **problem-solving**, writing clean production-ready code, and working in fast-paced, collaborative environments. Passionate about creating **scalable cloud-ready applications**, working with **REST APIs**, and collaborating in **Agile environments**.

EDUCATION

Dr.N.G.P Institute Of Technology	B.TECH(CSBS)	CGPA: 8.00 (up to 4 th Semester)	2023-2027
Vailankanni Public School (CBSE)	HSC		2022-2023
Vailankanni Public School (CBSE)	SSLC		2020-2021

INTERNSHIP EXPERIENCE

UI/UX Design Intern– Sri Nandha Infotech 2025

- Designed **10+ responsive UI screens**, improving usability and visual consistency across devices
- Enhanced page usability through UX principles and iterative testing, reducing navigation issues by **~25%**
- Collaborated with product teams to deliver **pixel-accurate Figma mockups** for production-ready interfaces

Tech Stack: Canva, Figma.

PROJECTS

Smart Spending Analysis 2025

Developed a data science–powered expense analyzer using Python, Pandas, and Power BI
Automated spending categorization, improving tracking efficiency by 40%
Created interactive dashboards for budgeting, alerts, and savings insights

Financial Portfolio Management System 2025

Developed a **full-stack portfolio tracker** to analyze **100+ investment records**, delivering real-time insights using React, Flask, and PostgreSQL
Implemented **ML-driven risk scoring** to support data-backed financial decisions

Smart Shoe For Visually Impaired Individuals 2024

Engineered an **IoT-based wearable system** using Arduino and ultrasonic sensors, achieving **95% obstacle-detection accuracy**
Optimized a buzzer-based alert mechanism, reducing user reaction time by **~30%**
Recognized at multiple conferences with **1st Prize, Runner-Up, and Top 6 Finalist** at Vishwakarma Awards, IIT Hyderabad.

Hostel Management System. 2024

Built a **full-stack Hostel Management System** with **10+ modules**, supporting **300+ users** with secure authentication
Implemented a responsive UI with **dark/light themes** and role-based access control for students and administrators
Integrated **MongoDB backend storage** with local Storage fallback to improve performance during connectivity issues

CERTIFICATIONS

Introduction To Internet Of Things	NPTEL	2025
Agile Methodologies	Techcanvass	2025
Java Programming	Great learning	2024

ACHIEVEMENTS

LeetCode	MaxRating-1462 2-Badge Problems Solved – 150+ Profile
Hackerrank	Problems Solved – 100+ 3+ Certificates Profile
Vishwakarma awards-2024	Top 6 Finalist among 3000+ teams.
Paper Presentation	Winner (800+ teams), Runner-up (50+ teams)

SKILLS

Languages:	C, Java, Python, JavaScript
Frontend:	React.js, HTML, CSS, Bootstrap
Backend:	Node.js, Express.js, Flask
Databases:	MongoDB, MySQL, PostgreSQL, Supabase
Tools:	Git, GitHub, VS Code, Figma, Canva
Concepts:	REST APIs, Authentication, Role-Based Access Control, Agile