Pratheesh Krishnan D *WebDev Enthusiast*

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📍 Devakottai, India - 630 302   🔗 My Portfolio

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ABOUT

Full-stack developer and CSE undergrad skilled in Java, C++, and the MERN stack. Focused on building secure, scalable systems that solve real-world problems through robust, testable code and modern development practices.

EDUCATION

2023 – 2027	**B.Tech Computer Science and Engineering** *SASTRA Deemed University* CGPA: 8.8462
2021 – 2023	**Higher Secondary Certificate (CBSE)** *Velammal Vidyalaya, Madurai* Grade: 94%
2019 – 2021	**Secondary School Certificate (CBSE)** *Mahatma Montessori CBSE, Madurai* Grade: 94.6%

EXPERIENCE

05/2025 – Present	**Developer – SWE180 Placement Prep Platform** • Designed, developed, and tested secure user flows, CRUD operations, and deployment pipelines for a **scalable placement preparation web app**, improving process efficiency by **35%**. • Followed **Agile methodology** and implemented **CI/CD workflows** to automate testing and deployment using GitHub and Netlify.
05/2025 – 06/2025	**Research Intern, SASTRA Deemed University** • Worked under the guidance of **Dr. Sasikala Devi** on combinatorial optimization using **Artificial Bee Colony (ABC)** algorithm in **C++**. • Optimized the **Multi-choice Multi-dimensional Knapsack Problem (MMKP)** using benchmark datasets, achieving **25% improvement** in solution quality and **30% faster convergence**. • Focused on preparing integration pathways for **real-world application scenarios**.

TECHNICAL SKILLS

Languages and FrameWorks
C, C++, Java, Express.js, Node.js

Database
MongoDB, Oracle SQL

Concepts
• SDLC, OOPs, Exception Handling, Secure Coding, Version Control, Risk Management, Business Continuity, Agile, CI/CD, Cloud Fundamentals (Google Cloud), API Integration

ACHIEVEMENTS

• **Selected for PayPal Career Academy** – among only **30 first-generation graduates across India** chosen for this industry readiness program.
• **Secured 2nd place at Daksh AI Hackathon** among 300+ **teams across India** for developing an **AI-powered stress analyzer web application**.
• **Selected for Smart India Hackathon 2024 (College Level)** – among **50+ teams** for developing a **women's safety web application**.

POSITIONS OF RESPONSIBILITY

• **Led Scout Troop in high school** – coordinated team-building activities for **20+ members**.
• **Led a team of 3 in CodeCubicle Hackathon** – **shortlisted in top 250** out of **3,000+ teams**.

PROJECTS

Mental Wellness AI (Team Project) ⌗
Stack: React.js, Node.js, Express.js, Face API, OpenAI, AI Chatbot Logic
• **Built a full-stack AI-powered mental wellness application** with **facial emotion detection** and **OpenAI-driven chatbot interaction**; achieved **85% stress detection accuracy**.
• Implemented **robust exception handling**, **secure data workflows**, and delivered **personalized feedback** to users through intelligent conversation.

QR Attendease App (Ongoing) ⌗
MERN Stack
• **Engineered a QR-based attendance management system**, reducing manual tracking efforts by **70%** and ensuring **data integrity** via **RESTful APIs** and **MongoDB**.
• Designed **responsive student and teacher user interfaces**, enabling automated attendance syncing and real-time **dashboard updates** for accurate records.

COURSES & CERTIFICATIONS

• Full-Stack Web Development Bootcamp-Udemy   • Prompt Design in Vertex AI, Google Cloud