

OBUPREETHI G

Full Stack Developer | Software Engineer | MERN Stack

Salem, Tamil Nadu · +91 63796 77950 · preethiusha007@gmail.com

Portfolio: obuportfoli.onrender.com · GitHub: github.com/Obupreethi · LinkedIn: linkedin.com/in/obupreethi

Full Stack Developer with hands-on experience building scalable MERN applications, cross-platform React Native apps, real-time features, and production-ready project implementations across web and mobile platforms.

SUMMARY

Full Stack Developer specializing in the MERN stack and Next.js, building AI-driven, scalable web applications. Strong experience with REST APIs, MongoDB Atlas, authentication, real-time features, and cloud deployment (Render, Netlify). Comfortable with DSA in Java, problem solving, and creating user-centric platforms in domains like ed-tech, healthcare, fintech, and social impact.

EDUCATION

B.E. Computer Science and Engineering

Kongu Engineering College, Erode | CGPA: 8.48 | 2023–2027

HSC (Computer Science), 92.8% – 2024

St. Joseph's MHSS, Gugai, Salem

SSLC – 2022

St. Joseph's MHSS, Gugai, Salem

Relevant Coursework: Data Structures, Algorithms, DBMS, OOP, Operating Systems, Computer Networks

TECHNICAL SKILLS

Languages: Java, JavaScript, Python (basic), SQLWeb

Technologies: HTML5, CSS3, Bootstrap, Tailwind CSS

Frontend: React.js, Next.js

Backend: Node.js, Express.js

Databases: MongoDB, MongoDB Atlas

AI & Tools: AI APIs, LLM integration, OCR (Tesseract), Face Recognition (FaceAPI / ML model)

DevOps & Tools: Git, GitHub, Render, Netlify, Postman, VS Code

Fundamentals: Data Structures & Algorithms, OOP, Operating Systems basics

AREA OF INTEREST

Full Stack Web Development, AI & ML Integration, App Development, UI/UX Design, Cloud & DevOps, Databases, Problem Solving

PROJECTS

SeniorEase - Elderly Support Portal | MERN, Twilio (2025)

- Built a full-stack elderly support portal for healthcare & services.
- Integrated Twilio alerts + Razorpay, improving workflow by 40%.

EduConnect - AI Assistant (19 features) | MERN, LLaMA (2025)

- Developed AI learning assistant with Q&A & PDF NLP.
- Used MERN + LLaMA RAG, improving learning efficiency by 35%.

Math Visualization Tool (12 features) | MERN, LLaMA (2025)

- Built math visualization tool with real-time graphing.
- Integrated LLaMA-8B RAG for accurate explanations.

LinguaLearn - Language Learning Platform | Next.js (2025)

- Created multi-language platform with real-time UI translation.
- Built level modules & optimized performance.

BloodLink - Blood Bank System | MERN (2025)

- Designed a centralized coordination system connecting hospitals and blood banks for quicker emergency responses.
- Developed MERN architecture with Razorpay integration, improving operational efficiency by 50%.

Nourish Aid - Food Donation Platform (In Progress) | MERN, WebSockets (2025)

- Developing real-time donor-receiver app with chat and expiry alerts.
- Adding location matching to speed up food distribution.

Real-Time Payment Monitor - Fraud Detection System (In Progress) | MERN, LLaMA (2025)

- Engineered an SSE-driven payment event stream incorporating device-signal anomaly detection for real-time fraud monitoring.
- Integrated LLaMA-based risk scoring to classify suspicious transactions and prioritize alert triage in simulation.

ACHIEVEMENTS

- **Overall Winner** - BYTS Hackathon (2025) - Math Visualization Tool
- **1st Place** - HackBuzz (2025) - EduConnect AI Assistant
- **2nd Place** - KEC Hackathon (2024) - SeniorEase Portal
- **2nd Place** - Hackons (2024) - Blood Bank Coordination System

CERTIFICATIONS

- MongoDB Certified Associate Developer (2025)
- Oracle APEX Cloud Developer (2025)
- NPTEL: Cyber Security & Privacy (2024) (IIT Madras)
- NPTEL: Privacy & Security in Social Media (2025) (IIT Madras)
- NPTEL: Research Methodology (2025) (IIT Madras)
- NPTEL: Demystifying Networks (2025)(IIT Madras)

SOFT SKILLS & LANGUAGES

- Leadership, Communication, Problem-Solving
- Teamwork, Creativity, Self-Learning
- English, Tamil, Kannada