

Hamenath B

FullStack Developer

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📍 Theni, Tamilnadu

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Summary

Full Stack Developer specializing in building scalable web applications and intelligent systems. Experienced in designing end-to-end solutions, from frontend user interfaces to backend architecture and database management. National-level Smart India Hackathon 2025 Software Edition Winner with strong expertise in problem-solving, system optimization, and AI-integrated applications.

Education

Sethu Institute of Technology

Computer Science and Design

Bachelor of Engineering • 8.3 GPA

Kariapatti, Tamil Nadu, India • 2023 - 2027 (Pursuing)

Theni Melapettai Hindu Nadar Uravinmurai Matriculation

Higher Secondary School

Computer Science

Higher Secondary Education (HSC) • 83%

Theni, Tamil Nadu, India • 2011 - 2023

Experience

VEXA TECH

Full Stack Developer

Remote

Nov 2025 – Present

- Designed and developed scalable client-facing web applications with optimized frontend and backend integration
- Implemented RESTful APIs and structured database systems to ensure secure and efficient data handling
- Collaborated in agile development environments to deliver production-ready features within deadlines

Lunewise Technologies Pvt. Ltd.

Full Stack Developer (Internship)

Remote

Apr 2024 – Dec 2024

- Developed and maintained full-stack dashboard modules to enhance system usability and workflow efficiency
- Implemented authentication mechanisms, API integrations, and structured database schemas
- Optimized application performance and contributed to sprint planning and feature deployment

Skills

Frontend Development

Advanced

React.js, Next.js, JavaScript (ES6+), Tailwind CSS, UI Optimization, REST API Integration

Backend Development

Advanced

Node.js, Express.js, MongoDB, Next.js, Firebase, Authentication & Authorization

Database Management

Intermediate

MongoDB, Firebase Firestore, Database Schema Design, SQL

Projects

ISER – Intelligent Silicon Extraction Reactor: AI-Controlled Sustainable Silicon Recovery from Agricultural and E-Waste

2025 - Present

- Engineered an AI-controlled reactor system integrating real-time sensor data with machine learning optimization
 - Developed machine learning models to enhance silicon extraction efficiency and maintain process stability
 - Built a PyQt-based interactive dashboard for real-time data visualization, system control, and performance monitoring
 - Integrated hardware sensors with Python-based control systems for automated decision-making
- Technologies: Python, PyQt, Machine Learning, Sensor Integration, Control Systems

SkillMate AI – Intelligent Skill Discovery & Learning Platform

2024 - Present

- Developed an AI-powered web platform that provides personalized skill recommendations
 - Designed dynamic frontend interfaces with scalable backend architecture
 - Implemented authentication systems, course filtering, and data-driven content suggestion logic
- Technologies: React.js, Node.js, MongoDB, AI Integration

Lanzy – Freelancer Marketplace : Upwork-like marketplace connecting clients and freelancers.

2024 - Present

- Developed role-based authentication and user management system
 - Built project posting and bidding workflow with structured backend integration
 - Designed responsive UI and implemented secure API communication
- Technologies: React.js, Express.js, MongoDB, Tailwind CSS

Achievements

- Smart India Hackathon (Government of India Initiative)
- Delhi, India
- Software Edition Winner – National Level
- December 2025
- Secured 1st place in Smart India Hackathon 2025 – Software Edition
 - Developed an innovative AI-driven solution addressing real-world industrial challenges
 - Competed among top teams nationwide and delivered a functional prototype under strict timelines

Certifications

- Smart India Hackathon 2025 – Software Edition Winner
- December 2025
- Smart India Hackathon
- Product Management Core Skills
- Mar 2025
- Udemy
- AI & ML Fundamentals Workshop
- November 2024
- Shree Sakthi College of Engineering
- React.js Complete Course
- August 2024
- Udemy
- React Developer Certification – 2024
- June 2024
- Amizhth Techno Solutions