YOGESHWARA B

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Education

Alvas Institute of Engineering and Technology - B.E. Computer Science and Engineering

Moodbidre, Mangalore | 2022–Pursuing | CGPA: 7.5

Experience

WashiTec (Laundry Service Management Platform)   June 2025 – Present | About to be Deployed

Stack: Node.Js, Arduino UNO, Binance API + KuCoin API, React.js, IoT Hardware (LED, buzzer, LCD, buttons)

Role: Architected scalable microservices platform, drove system design, enforced secure API integrations.

- Designed and built a full-stack application using React 18, TypeScript, Firebase Firestore, and Express.js, with optimized queries and a Socket.IO-powered live chat system.
- Implemented Razorpay integration with server-side validation, cryptographic verification, optimized with code splitting, lazy loading, and Firebase Functions.
- Deployed frontend on Vercel and backend on Render; implemented automated testing with Vitest; configured serverless architecture with Firebase Function.

Projects

ArbiNet - IoT Driven Arbitrage Trading System   [Repo Link](#)

Stack: Node.Js, Arduino UNO, Binance API + KuCoin API, React.js, IoT Hardware (LED, buzzer, LCD, buttons)

- **Phase 1:** Built a real-time crypto price monitor across multiple exchanges (Binance and KuCoin) using Node.js and Arduino UNO. Detected arbitrage opportunities and displayed price variations on a 1602A LCD with corresponding LED and buzzer alerts.
- **Phase 2:** Automating trade execution based on detected arbitrage opportunities by integrating exchange APIs, focusing on minimizing latency and optimizing transaction costs.

Decentralized Crowdfunding Platform (Web3)   [Repo Link](#)

Stack: Solidity, Hardhat, Ethers.js, React.js, Tailwind CSS, IPFS (Pinata), MetaMask

- Developed a full-stack decentralized crowdfunding platform using React.js and Solidity smart contracts.
- Developed secure campaign creation, funding mechanisms, and automatic fund distribution using Ethereum.
- Integrated IPFS (Pinata) for decentralized storage of campaign data, images, and metadata.

Technical Skills

Programming Languages	Solidity, Java, JavaScript, TypeScript
Blockchain Technologies	Ethereum, Smart Contracts, MetaMask, IPFS, Hardhat, Ethers.js
Web Development	React.js, Node.js, Tailwind CSS, Streamlit
Development Tools	Docker, Git, VS Code, Remix IDE, Postman, Firebase, Cursor, Figma, Ganache

Publications

"A Comprehensive Review on Blockchain in Computing: Integration with Cloud, Edge, and Fog Systems"

IEEE-sponsored 3rd International Conference on Artificial Intelligence Machine Learning Applications (AIMLA-2025), K.S. Rangasamy College of Technology, Tamil Nadu, India. [View Publication]

Experience & Activities

Community Leadership

- Led community outreach initiatives by organizing mobile phone awareness campaigns at government schools, promoting digital literacy among students.

SAP Hackathon — StateHub Round Qualifier 2025

- Selected for the StateHub round by outperforming 100+ teams across India.

Language Skills

- English (Fluent), Kannada (Native), Hindi (Conversational), German (Basic – A1).

Certifications

- Associate in IT Foundation Skills (Python) - Infosys, Dec 2024
- Android Enterprise Certified Associate - Android Enterprise Academy, Jun 2025
- Google Cloud Skill Badges:
  - Prompt Design in Vertex AI - April 2025
  - Building Real-World AI Applications with Gemini and Imagen - May 2025
  - Developing Generative AI Apps with Streamlit- Jul 2025