Yogeshwara B

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Summary

Experienced in building decentralized applications, AI-powered solutions, and scalable systems using Google Cloud through academic and personal projects. Passionate about creating solutions that bridge cloud computing, AI, and Web3 to deliver secure, reliable, and future-ready platforms. Continuously exploring emerging technologies, I strive to build impactful systems through hands-on learning and innovation.

Education

Alvas Institute of Engineering andTechnology *(2022-2026)Pursuing*
B.E in Computer Science and Engineering ***(CGPA: 7.5)*** *Moodbidre, Mangalore*
St. Francis PU College (Percentage: 63.3) *2020 – 2022*
Pre-University with Physics, Chemistry, Maths and Computer Science *Bengaluru*
Baldwin Indian High School (Percentage: 77.9) *2008 - 2020*
Completed Secondary Schooling *Bengaluru*

Skills

- **Programming Languages:** Solidity, Java, JavaScript, HTML/CSS
- **Blockchain Technologies:** Ethereum, Smart Contracts Auditing, MetaMask, IPFS, Hardhat, Ethers.js
- **Web Development:** React.js, Node.js, Tailwind CSS, Streamlit
- **Cloud & AI:** Google Earth Engine, Google Cloud Platform, Prompt Design, API keys
- **Development Tools:** Git, Docker, VS Code, Remix IDE, Postman

Projects

Decentralized Crowdfunding Platform on Web3

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

Vegetation Monitoring System using AI and Cloud

- Built an AI-powered vegetation monitoring system using Google Earth Engine and satellite imagery
- Developed automated NDVI analysis algorithms for real-time vegetation health assessment.Implemented PDF Generation
- Deployed on Streamlit Cloud with responsive web interface for stakeholder access

ArbiNet – IoT-Driven Arbitrage Trading System

Phase 1: Built a real-time crypto price monitor across multiple exchanges (e.g., Binance, 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 (In Progress): Automating trade execution based on detected arbitrage opportunities by integrating exchange APIs, focusing on minimizing latency and optimizing transaction costs.

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

Extra Curricular Activities

- **Certifications:** Android Enterprise Certified Associate, Earned Google Cloud Skill Badges in Prompt Design in Vertex AI, Building Real-World AI Applications with Gemini and Imagen, and Developing Generative AI Apps with Streamlit – gaining practical experience in prompt engineering, LLM integration, and building interactive generative AI applications.
- **Languages**:English (Fluent), Kannada (Native), Hindi (Conversational), German (Basic – A1)
- Led community outreach initiatives including mobile phone awareness campaigns at government schools