P Vidhath

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EDUCATION

- **B.E., Computer Science** | Sahyadri College of Engineering and Management, Mangalore 2022-2026
  - CGPA: 8.92/10.0

SKILLS

- **Programming Languages:** C, C++, Python, JavaScript, HTML, CSS
- **Frameworks and Libraries:** React.js, Node.js, Express.js, Tailwind CSS, Framer Motion
- **Databases:** MySQL, MongoDB, Firebase
- **Tools and Technologies:** Git, GitHub, Postman, VS Code, Jupyter

PROJECTS

- **SecureSense: AI-Powered Framework for IoT-Blockchain Integration**
  - Developed an intelligent data pipeline for secure IoT data handling, reducing data redundancy by over 50
  - Implemented a Random Forest model for anomaly detection and an LSTM model for trend detection to filter critical sensor data from 100+ sensor data points per minute.
  - Engineered a layered storage system: raw data (CSV), off-chain (trend), and blockchain (validated insights) to optimize storage efficiency.
  - Utilized Python, TensorFlow, Scikit-learn, and Blockchain for implementation, including a real-time simulator using data from the Intel Berkeley Lab.

- **AshaAid: Village Health Tracker**
  - Built a full-stack MERN application to digitize rural health records for a network of 50+ ASHA workers, doctors, and administrators.
  - Integrated features like geo-tagging, automated follow-up alerts, and PDF export functionality, reducing manual data entry time by an estimated 30
  - Utilized React.js, Node.js, Express.js, and MongoDB to create a scalable and user-friendly platform, improving health data management for up to 10,000+ villagers.

- **TripTogether: Group Travel Itinerary Collaborator**
  - Created a full-stack web application enabling real-time collaboration for up to 15 group members per trip.
  - Developed core features including shared itinerary management, a member invitation system, and a dynamic real-time chat, increasing planning efficiency by 40
  - Engineered the platform using React.js, Node.js, Express.js, and MySQL to facilitate streamlined communication and coordination.

ACHIEVEMENTS

- Finalist, Skill Sangham 2025 Hackathon: Placed in the top 14 teams out of a large applicant pool after successfully completing two selection rounds in a 24-hour hackathon.
- Database and SQL Certification: Completed a comprehensive course with over 30 hours of content on core SQL concepts, queries, joins, and data manipulation via the Infosys Springboard platform.
- JobReady Employability Skills: Earned a certification from the Wadhwani Foundation in foundational workplace skills, including communication, teamwork, and time management.