SOVAN BHAKTA

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About Me

Final-year B.Tech Computer Science student with strong experience in backend development, network systems, and cloud infrastructure. Proven success in leading agile teams and building scalable, secure applications. Passionate about solving real-world problems through optimized software systems.

Education

Vellore Institute of Technology   **Sep 2022 – Present**
Bachelor of Technology in Computer Science (CGPA: 8.65/10)   *Amaravati, India*

Army Public School, Barrackpore   **Jun 2019 – Jul 2021**
Senior Secondary (CBSE) – 92.8%   *Barrackpore, India*

Experience

V-Open Source Team Member, VIT-AP   **Oct 2023 – Present**
Team Member   *Amaravati, India*
- Implemented cost-effective solutions and contributed to Open Source.
- Streamlined project workflows, enhancing overall efficiency by 25%.
- Led a team in successfully delivering a complex engineering project on time.

Projects

Third Eye | *Computer Vision, Python, React*
- Developed a voice-activated web navigation system for blind users.
- Implemented object classification for surroundings with 25% higher accuracy.
- Integrated a face recognition module for contextual identification.

Musicly | *React, Node.js, Express, MongoDB*
- Built RESTful APIs for authentication, song uploads, and playlist management.
- Designed dynamic React front-end for seamless music streaming.

D-Comm (Blockchain Chat App) | *React, Ethereum, Solidity*
- Developed a decentralized chat app with real-time messaging.
- Integrated MetaMask for wallet-based authentication.
- Deployed smart contracts in Solidity for message logging and user profiles.
- Used Web3.js, Web3Modal, and Ethers.js to connect frontend with blockchain.

Technical Skills

Languages: Java, JavaScript, Python, HTML, CSS, SQL
Frameworks & Tools: React.js, Express, Node.js, Spring Boot, Docker, Git
Databases: MySQL, MongoDB, Firebase
DevOps/Cloud: Docker, Kubernetes, Google Cloud, AWS
Concepts: Microservices, REST APIs, OOP, Distributed Systems, Scalability, Performance Optimization

Certificates

ICSEAT 2024 - Advancements in AI-Based Skin Disease Diagnosis

LinkedIn Learning - Artificial Intelligence Foundations: Machine Learning

GDSC - Google Cloud Career Practitioner Pathway

CISCO - JavaScript Essentials 1 (JSE)

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional

Interests

Problem Solving (400+ challenges solved on LeetCode, HackerRank, Codsoft, GeeksForGeeks), Artificial Intelligence, Machine Learning.