

Jagvi Krishna

Career Objective

To leverage strong programming and web development skills in a challenging role, contributing to innovative projects in AI/ML or Web3. Seeking a position where I can apply my expertise in data structures, algorithms, and full-stack development to build impactful solutions.

Personal Info

Name: Jagvi Krishna

Email: frado39@example.net

Phone: 3849867719

College: Pimpri Chinchwad College of Engineering (PCCOE)

Achievements

****Achievement 1:****

Developed a novel, AI-powered recommendation system for an e-commerce platform using a hybrid approach combining collaborative filtering and content-based filtering. The system achieved a 25% increase in click-through rate and a 15% increase in conversion rate compared to the existing system in A/B testing, demonstrating superior performance and significant business impact. This project involved advanced machine learning techniques (specifically, TensorFlow and a custom-designed neural network architecture), a robust backend implementation using Node.js and PostgreSQL, and a user-friendly frontend developed with React. The system also incorporated a secure payment gateway and utilized blockchain technology for enhanced transparency and security in transaction processing.

****Achievement 2:****

Designed and implemented a decentralized, peer-to-peer file-sharing platform leveraging IPFS and Solidity smart contracts. The platform achieved a significant improvement in data security and resilience compared to traditional centralized solutions by incorporating cryptographic techniques for data encryption and integrity verification. This resulted in a robust system capable of handling large volumes of data with high availability and low latency. The project showcased proficiency in competitive programming through the optimization of data structures and algorithms used for efficient peer discovery and data synchronization. The frontend was developed with Vue.js and integrated seamlessly with the backend, which employed a microservices architecture using Go and incorporated advanced features like access control lists governed by smart contracts and automated data replication for redundancy.

Skills

* **Proficient in at least one major programming language (e.g., Python, Java, C++) with a strong grasp of data structures and algorithms:** This is foundational for competitive programming, backend development, and even aspects of AI/ML. A student who excels here can tackle complex problems efficiently.

* **Frontend web development skills (HTML, CSS, JavaScript frameworks like React or Vue.js):** Essential for creating interactive and user-friendly web applications. This skillset allows for participation in diverse projects and understanding user interface design.

* **Backend development experience (e.g., Node.js, Python with frameworks like Django or Flask, databases like SQL and NoSQL):** Building the server-side logic and data management for web applications is crucial. A strong backend is the backbone of many modern systems.

* **Fundamentals of Machine Learning and AI (linear algebra, statistics, common ML algorithms):** This opens doors to various fields, from building predictive models to creating AI-powered applications. Even a basic understanding can be highly valuable.

* **Solid understanding of blockchain technology and Web3 concepts (smart contracts, decentralized applications, relevant frameworks):** This emerging field offers unique opportunities, from developing decentralized finance (DeFi) applications to creating secure and transparent systems.