RAJ BHOYAR

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PROFESSIONAL SUMMARY

Innovative Computer Science student graduating in 2024, specializing in JavaScript and Python development for scalable software solutions. Proven track record in writing product development code, participating in design reviews, and debugging system issues. Experienced in developing accessible technologies and contributing to documentation. Seeking a Software Development Engineer role to leverage my skills in creating innovative products.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript (ES6+), Java, C, C++
- **Web Technologies:** Node.js, Express.js, React.js, Django, Flask, GraphQL, RESTful APIs
- **Cloud Infrastructure:** AWS (Lambda, EC2, S3, DynamoDB)
- **Development Practices:** Agile Methodologies, Code Reviews, Quality Assurance, Cross-Team Collaboration
- **System Design:** Distributed Systems, Scalable Architecture, Microservices
- **Version Control:** Git, GitHub

PROFESSIONAL EXPERIENCE

Software Development Intern   Feb 2024 – May 2024
BlueKei Solutions, Pune (Hybrid)

- Designed and implemented a distributed Node.js microservice architecture, improving system efficiency by 60%.
- Built and optimized a scalable data processing pipeline using Python, enhancing data processing speed by 70%.
- Developed a real-time monitoring solution using React.js and Socket.IO, reducing incident response time by 40%.
- Participated in design reviews with peers and stakeholders to decide among available technologies.
- Conducted code reviews for other developers, ensuring adherence to best practices and style guidelines.
- Contributed to existing documentation and adapted content based on product updates and user feedback.
- Triaged system issues and resolved bugs by analyzing their impact on service operations and quality.

PROJECTS

Distributed Weather Prediction System — Python, TensorFlow, AWS Lambda

- Designed and built a distributed machine learning system using TensorFlow, achieving 85% prediction accuracy.
- Architected a fault-tolerant serverless solution using AWS Lambda and API Gateway.
- Developed a comprehensive testing framework using Pytest, ensuring 90% code coverage.

Real-time E-commerce Analytics Platform — Node.js, Express.js, Socket.IO, MongoDB

- Built a distributed computing system capable of processing 1000+ events per second across multiple platforms.
- Implemented scalable distributed index system using Redis pub/sub, reducing latency by 50%.
- Created fault-tolerant database architecture in MongoDB for efficient distributed storage and query systems.

AI-Powered Code Review Assistant — Python, Flask, OpenAI API, React.js

- Designed and built an AI system that reduced manual code review time by 40%.
- Engineered scalable RESTful API architecture with Flask for seamless integration with GitHub services.
- Implemented caching and rate-limiting solutions, optimizing operational costs by 30%.

EDUCATION

Bachelor of Technology in Computer Engineering (B.Tech)   2021 – 2024
Bapurao Deshmukh College of Engineering, Sewagram, Wardha

Relevant coursework: Data Structures, Algorithms, Distributed Systems, Cloud Computing, Machine Learning, Web Development

ACHIEVEMENTS & LEADERSHIP

- **HackBDCE 2K22 Winner:** Led a team to design and build an innovative distributed computing solution.
- **Open Source Contributor:** Collaborated with global developers to implement distributed system solutions.

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Native), Marathi (Native)
Interests: Serverless architectures, Microservices design, Tech blogging on JavaScript and Python best practices