RAJ BHOYAR

Chandrapur, Maharashtra, India • +91 9309943858
rbhoyar729@gmail.com • LinkedIn • Portfolio • GitHub

PROFESSIONAL SUMMARY

Innovative Computer Science student graduating in 2024, specializing in JavaScript and Python development for scalable software solutions. Proven track record in building distributed systems, implementing machine learning models, and optimizing application performance. Seeking an SDE role at Amazon to leverage my skills in creating innovative products that impact millions of customers globally.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript (ES6+), Software Development
- **Distributed Computing:** Large-Scale Systems, Distributed Processing, Fault-Tolerant Architecture, Scalable Solutions
- **Cloud Infrastructure:** AWS (Lambda, EC2, S3, DynamoDB), Distributed Storage Systems, Low-Cost Infrastructure Design
- **System Design:** Distributed Query Systems, Index Systems, Scalable Architecture, Cross-Disciplinary Solutions
- **Web Technologies:** Node.js, Express.js, React.js, Django, Flask, GraphQL, RESTful APIs
- **Development Practices:** Agile Methodologies, Quality Assurance, Cross-Team Collaboration, Innovative Problem-Solving

PROFESSIONAL EXPERIENCE

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

- Designed and implemented a distributed Node.js microservice architecture, achieving 60
- Built and optimized a scalable data processing pipeline using Python, Pandas, and NumPy, delivering 70
- Conceived and developed an innovative real-time monitoring solution using React.js and Socket.IO, enabling fault-tolerant system monitoring and reducing incident response time by 40
- Collaborated with cross-functional teams in an agile environment, participating in daily stand-ups and bi-weekly sprints to deliver high-quality software solutions and drive fundamental improvements

PROJECTS

Distributed Weather Prediction System — Python, TensorFlow, AWS Lambda

- Designed and built an innovative distributed machine learning system using TensorFlow, achieving 85
- Architected a fault-tolerant serverless solution using AWS Lambda and API Gateway, delivering sub-second latency for 50,000+ concurrent users
- Engineered scalable distributed storage using Amazon S3 and SQS, creating solutions for efficient data processing at incredible scale and speed
- Developed comprehensive testing framework using Pytest, ensuring 90

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

- Conceived and built a distributed computing system capable of running predictions on 1000+ events per second across multiple platforms
- Designed and implemented scalable distributed index system using Redis pub/sub, reducing latency by 50
- Created fault-tolerant database architecture in MongoDB, enabling efficient distributed storage and query systems for high-volume data
- Engineered cloud-native deployment on AWS ECS with CloudWatch integration, delivering innovative solutions for scalability and monitoring

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

- Collaborated with cross-functional teams to design and build an innovative AI system, reducing manual review time by 40
- Engineered scalable RESTful API architecture with Flask, creating solutions for seamless integration with distributed GitHub services
- Built distributed front-end system using React.js and Material-UI, improving user experience and driving 60

- Implemented innovative caching and rate-limiting solutions in distributed environments, 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 cross-disciplinary team to design and build an innovative distributed computing solution, recognized for scalability and fault-tolerance among 100+ participants
- **Open Source Innovation:** Collaborated with global developers to conceive and implement distributed system solutions, contributing scalable

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Native), Marathi (Native)

Interests: Serverless architectures, Microservices design, Tech blogging on JavaScript and Python best practices