Sushant Borse

Sb8195@rit.edu • (585)-290-8950 • www.linkedin.com/in/sushant-borse-ss5

EDUCATION

Rochester Institute of Technology   **May 2025**
Master of Science, Software Engineering, GPA -3.75   *Rochester, NY*

Sinhgad College of Engineering   **May 2021**
Bachelor of Engineering, Information Technology, GPA - 8.23   *Pune, India*

EXPERIENCE

Software Engineer | *TechGigs LLP / Pune, India*   **May 2021 – Jun 2022**

- Designed and developed scalable websites and mobile applications, integrating AWS Cloud services and WordPress, which increased customer engagement by 40% through enhanced performance and optimized user interfaces.
- Led full-stack development using the MERN stack, improving app performance and reducing load time by 20%.
- Integrated CI/CD pipelines with Jenkins and Docker, reducing release times by 25%.
- Maintained 99% system uptime through performance monitoring, troubleshooting, and database optimizations.

Software Developer Intern | *JSMIndia Infosys Pvt. Ltd./ Pune, India*   **Aug 2020- April 2021**

- Developed and optimized a real-time smartquant tag management platform, employing AngularJS, Foundation CSS, and WebSocket technology, enhancing user experience and system efficiency.
- Led the development of a secure, decentralized platform for blockchain-based applications, utilizing Ethereum, Solidity, and smart contracts to provide robust solutions for digital asset management, improving transaction transparency by 30%.
- Led efforts in code optimization by refactoring legacy code to utilize ES6 features, significantly improving system performance and maintainability, also implemented comprehensive testing strategies.

PROJECTS

LogBERT Project: AI-Driven Log Analysis | *Machine Learning, Python, NLP*   **Jan 2024 - Present**

- Developed a deep learning model based on BERT to automate log quality assessment, improving accuracy in detecting log inconsistencies and errors by 23%.
- Applied advanced NLP techniques and feature extraction to process large-scale log datasets, achieving superior accuracy compared to baseline models. And used Python, PyTorch, Transformers library, TensorFlow for model training and implementation.
- Integrated LogBERT into a CI/CD pipeline, enabling real-time log analysis and error detection during the software development lifecycle, reducing manual review efforts and improving operational efficiency.

Automated Attendance Tracking System with AWS | *AWS, Terraform*   **Aug 2023 – Dec 2023**

- Designed a facial recognition system using AWS Rekognition and Lambda, reducing manual tracking efforts by 90%.
- Built a scalable backend with DynamoDB, supporting thousands of concurrent users with low latency.
- Employed Terraform for infrastructure automation, streamlining resource deployment and management.
- Developed analytics dashboards with QuickSight, boosting operational efficiency by 30% through actionable insights.

Agent Based Car Parking System | *Jave Servlets, Android Studio*   **Jan 2021 – May 2021**

- Developed a web and Android application using Java Servlets and Android Studio, reducing vehicle search times by 40% in urban areas through efficient valet services.
- Implemented RESTful APIs and Google Maps integration for real-time tracking, enhancing user experience and cutting wait times by 30%.
- Leveraged machine learning to analyze parking data and predict demand, optimizing valet deployment and increasing service efficiency by 20%, while utilizing Tableau for data visualization to inform strategic decisions.

SKILLS

Languages: Java, Python, JavaScript, PHP, C++, Visual Basic, Shell Scripting
Cloud: AWS, Azure, Terraform.
Framework: Spring/SpringBoot, NodeJS, AngularJS, Rstudio, Laravel, OpenAI, Django,
SE Skills: Agile Software Development, Communication, Code optimization, Problem solving, planning, SE principles, Software Quality assurance, Effective time management.

LEADERSHIP & VOLUNTEER EXPERIENCE

- Established an AI-focused student group, organizing 10+ workshops on machine learning and data science, boosting participation by 40% and fostering collaborative research projects.
- Ranked in the top 10 out of 500+ teams for developing a tech solution to enhance public transportation, leading to a 20% increase in route efficiency.