Shubham Jambhale

(812) 602-9612 | jambhale.shubham9@gmail.com | in shubhamjambhale

Education

Indiana University   Bloomington, IN
Master of Science, Computer Science | GPA - 4.0/4.0   *Aug 2022 – May 2024*
Relevant Coursework: Applied Algorithms, Applied Machine Learning, Computer Networks

Savitribai Phule Pune University   Pune, India
Bachelor of Engineering, Information Technology | CGPA - 8.16/10   *Aug 2016 – Jun 2019*

Work Experience

Persistent Systems Limited | *Senior Software Developer*   *Jul 2019 – Jul 2022*

- Implemented security rules for AWS CodeGuru a service that can predict the vulnerabilities in the written code.
- Performed benchmarking on the Amazon Web Services (AWS) CodeGuru service to check & increase the performance of the product and interacted with the business for gathering requirements and designing new security rules.
- Integrated AWS Kendra service with Salesforce by creating API in Java for the Engage360 project.
- Developed and tested a module in JAVA to sort and clean incoming data from Mind-Touch Knowledge Base & populate it in MongoDB. Performed unit testing to test end-to-end functionality using JUnit.
- Automated the manual process of taking daily counts of new incoming and modified entries in the database. Generated a report using Java to increase the process efficiency by ~80% making it convenient for the client to make business decisions.
- Provided technical advice and weigh-ins on the technical decision that optimized the data warehousing process of the client and increased the team's effectiveness and efficiency.
- Diagnosed and resolved production issues on the Client distributed systems and deployed various new updates.
- Integrated MongoDB and RabbitMQ messaging broker using the SPRINGBOOT framework.
- Worked within an Agile Scrum team contributing to 100% CICD development. Facilitated collaboration between teams using GitHub best practices.
- Communicate and collaborate with remote teams to share innovative ideas for improving code & adding new features to the software

Tata Technologies Ltd. Pune | *Intern*   *May 2015*

- Set up Oracle Database and perform DDL queries on the same. Learned Core Java concepts and performed JDBC connections for a data management project.

Technical Skills

Programming Languages: Java, Python, SQL, C, C++, Javascript, Bootstrap, HTML , React
Technologies: Amazon Web Services (AWS), Docker, Spring Boot, MongoDB (NoSQL), RabbitMQ
Tools: Git, Postman, JIRA, Unix/Linux

Projects

Home Credit Default Risk
- Using the HCDR Kaggle dataset, built different classification models (Random Forest, Logistic Regression, Decision Tree) and defaulters and non-defaulters were categorized.
- The dataset was processed for missing and erroneous data, and an accuracy of 91.92% was obtained.

Native Language messaging Bot in Agricultural Domain
- Took leadership of the team and created a collaborative environment that enabled fast-paced development.
- Developed Rest API calls in JAVA to connect Thinger cloud NodeMCU 8266 microcontroller and connected DTH11 with NodeMCU using Arduino code.
- Seamlessly integrated messaging service to send highly available and fault-tolerant messages.
- Managed and stored data from the front end by designing an MYSQL relational database and performing normalization.
- Designed user flows, flowcharts, Level 1 and Level 2 Architecture diagrams, Dashboard, and login forms for the software.

Soil Erosion Survey Management System (Smart India Hackathon)
- Designed & developed frontend with PHP & Bootstrap with multi-platform compatibility which enhanced user experience
- Connected frontend with backend and display data coming from the google firebase into the frontend.

Certification

- Python Data Structure and Algorithms
- Learning Docker