Faiyazthulla Shaik
faiyaz@pdx.edu | Portland, OR 97201 | (971) 408 5551
https://linkedin.com/in/faiyazthulla | https://faiyazthullask.github.io

EDUCATION

Portland State University (GPA: 3.83/4) **Portland, Oregon**
Master of Science (M.S.) in Computer Science March 2022 - August 2023

Jawaharlal Nehru Technological University **Vijayawada, India**
Bachelor of Technology (B. Tech) in Computer Science and Engineering June 2015 - March 2019

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++
Databases: MySQL, PostgreSQL, Oracle
Web Technologies: HTML, CSS, JavaScript, JSON, jQuery, Bootstrap, React.js
Operating Systems: Linux/Unix, Windows
Libraries: NumPy, Pandas, Matplotlib
Developer Tools: VS Code, Eclipse, Atlassian Jira, GitHub, Git, IntelliJ, Postman, Soap UI, Jenkins
Technologies/Frameworks: Spring boot, JUnit, Mockito, Hibernate, AWS, GCP
Relevant Coursework: Algorithm Design and Analysis (CS 584), Modern Agile and Other XP Software's (CS 510), Machine Learning (CS 545), Code Revision and Review (CS 510), Operating System (CS 532)

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant, Portland State University, Oregon **September 2022 – June 2023**

- Assisted instructed in conducting engaging tutorials, and provided individualized support to students through office hours.
- Led tutoring sessions, fostering understanding and problem-solving skills in Java, Computer Security and Databases.
- Developed python script to automate the grading, which leads to saving 80% of time.

Software Engineer, Tata Consultancy Services, Hyderabad, India **May 2019 – February 2022**

- Integrated WebAPI-based applications with third-party APIs, such as DocuSign, to seamlessly adopt eSignature technology, significantly reducing paperwork efforts by 80%.
- Built CI/CD pipelines by writing DSL automation scripts using Groovy with Jenkins, automating build, test, and deployment processes for accelerating software delivery by 60%.
- Developed unit tests using JUnit and Mockito, achieving 82% code coverage by following the Test-Driven Development (TDD) approach.
- Attained 70% reduction in critical incidents through efficient Production Support by implementing ELK monitoring (log4j). Enhanced proactive issue detection by creating Splunk dashboards, and alerts.
- Efficiently processed and migrated over 100,000+ records of bulk data, utilizing Spring batch scheduling using CRON jobs. Applied multi-threading techniques using Executor service mitigating 60% of the execution time.

ACADEMIC PROJECTS

Internet Relay Chat | *Python, VS Code*
Created a single server architecture-based application utilizing Python code and deployed it on Amazon Web Services (AWS) by configuring an EC2 instance. Implemented multi-user functionality, enabling users to create and manage groups, as well as broadcast messages within them.

Text Emotion Analysis | *Python, Pandas, Jupyter Notebook*
Developed a model for emotion detection in English text using machine learning techniques, with a focus on analyzing emotions in textual dialogues. The model utilizes NLP techniques such as Multinomial Naive Bayes Classifier, TF-IDF Vectorizer, Linear SVM, and Logistic Regression. The accuracy of the model is evaluated using labeled tweet datasets.

Tuberculosis Prediction | *Python, NumPy, Pandas*
Developed a model using Machine Learning techniques such as k-Nearest Neighbors (KNN) and Grading Boosting on datasets from Kaggle to predict the patients with tuberculosis.

ACCOMPLISHMENTS

- Received 'Intercultural Leadership Award' for mentoring International Students at Portland State University.
- Recognized with the 'Best Team Award' for delivering thoroughly tested, bug-free code and making significant contributions to the project.