Agna Parikh

Delaware, United States agnaparikh2103@gmail.com 7038686328 LinkedIn * GitHub

SUMMARY

Motivated and detail-oriented software engineer with experience in full-stack development, cloud computing, and machine learning. Eager to leverage extensive technical skills to architect and lead the development of innovative credit products.

EXPERIENCE

Software Engineer II

Government Employees Insurance Company (GEICO). **June 2022 - Present, Chevy Chase, MD**

- Demonstrated problem-solving skills during root cause analysis by debugging and remediation of production issues, maintaining the integrity and reliability of applications.
- Ensured a seamless user experience and improved modularity through the implementation of micro frontend architecture using **react and typescript**.
- Architected and implemented microservices using .NET and Java, enhancing system scalability and reliability, aligning with large-scale backend system requirements. The service supported volume of over 1 million transactions per day.
- Collaborated with cross-functional teams to design and implement scalable solutions, contributing to the overall architecture of the microservices.
- Developed and maintained robust code, achieving 100% code coverage, reflecting excellent coding and testing skills. Owned writing automation test scripts using **testcafe and cucumberJS.**

Software Engineer Intern

Government Employees Insurance Company (GEICO) **June 2021 - August 2021, Chevy Chase, MD**

- Utilized Azure DevOps to update, track, prioritize and report software development tasks and defects, developed various application screens by creating HTML, CSS and JavaScript. ·
- Successfully designed and developed application to programmatically find worst and best performance indicators for business transactions using best code quality and coding practices using **Java** and **Splunk REST API.**

Research Assistant - Computation and Data Science

September 2020 - May 2022, Fairfax, VA

George Mason University

- Analyzed patterns in human communication systems using transliterated datasets of ancient scripts using data science and Natural Language processing concepts using **Python** language. Optimized computing time for models.

SKILLS

Programming – C, C# (.Net), Java, Python, JavaScript, Typescript, Node
Testing – Testcafe, CucumberJs, Specflow, Junit, Moqs
Database – SQL, MongoDb, MySQL, SQL Server, RDBMS
Cloud – *Azure,* Kubernetes
Library/Framework - .Net, React
Others – Jira, Confluence, Git, Microservices, GitHub, Docker, Cloud, CI/CD, DAPR, Event Driven Architecture, CQRS.
Monitoring Tools – Splunk, Dynatrace, Azure Application Insights.
Data and Machine Learning – TensorFlow, Scikit-learn, Keras, Pytorch, Hugging Face, NLP, Data Visualization

EDUCATION

Master of Science, Computer Science **August 2023 - Present**

Specialization in Machine Learning • Georgia Institute of Technology • 3.5

Bachelor of Science, Computer Science **August 2020 – August 2022**

George Mason University • Fairfax, VA • 2022 • 3.53

PROJECTS

Sentiment Analysis using BERT

- Trained BERT on a reviews dataset to classify sentiment with high accuracy and experimented with both fine-tuning and adapter architecture configurations to optimize performance.
- Attained a classification accuracy of 91.21%, demonstrating effective preprocessing and model training techniques.
- Leveraged Hugging Face Transformers library for model implementation and hyperparameter tuning.

Web Application for Work Order Tracking System

Rice University Hackathon (Winner) • May 2020 - May 2020

- Aim of the project was to helping workers work in an organized manner by making the work process more client. Accomplished by designing client algorithm and easy to use user interface.
- Backend Algorithm was developed in Python. Frontend was developed using python Django and messaging developed using Twilio Rest API.

CERTIFICATION

Microsoft Azure Fundamental – AZ 900