Eashan Joshi

Available to work immediately | eashanj4@gmail.com | LinkedIn | 585-202-4547| Github | Rochester, NY

Eashan Joshi, **AWS Certified** blends **Data Science** and **Computer Engineering** with experience in **query optimization** & **RESTful API development** at Yardi, & excels in **machine learning, data analysis,** and **software engineering**. His dedication to research, development, and creative problem solving makes him a prime candidate for Software as well as ML Engineer role.

Education

Rochester Institute of Technology	August 2022 – December 2024

Master of Science, Data Science, GPA: 3.74/4.00 *Rochester, NY*

<u>Coursework:</u> *Machine Learning, Data Structures, Algorithms, Applied Data Science, Applied Statistics, Data Warehousing, Business Intelligence, Data Analytics, Visual Analytics*

Pune Institute of Computer Technology	August 2016 – June 2020

Bachelor of Engineering, Computer Engineering *Pune, India*

Work Experience

Full Stack Software Engineer	September 2020 – September 2021

Yardi Pune, India

- Solved **30+** development defects, & developed **50+** new features in Trust Accounting, a cloud-based financial fiduciary management platform using **.NET** & **SQL,** and maintained production systems within coding standards.
- Optimized **OLTP** and **OLAP SQL** queries for enhanced efficiency in Trust Accounting, achieving a **10% transparency boost** in asset management, client data visualization and retrieval times.
- Engineered **2 Custom Financial Reports** using **SSRS, SQL**, & integrated automation solutions for loan, tax & insurance management **enhancing cloud compliance** & **reducing financial data error rate by 15%.**
- Collaborated with key stakeholders to establish a robust communication framework, fostering clear and efficient information flow during release planning, resulting in a **10% reduction** in project delays.

Projects

Quantitative Analysis of ChatGPT's Efficacy in Software Debugging Prompts | Python, nlp. Link   **Feb 2024**

- Executed data loading & an analysis engine on DevGPT dataset, **uncovering 1,957,830 ChatGPT mentions in GitHub issues**, **3,050,232 in commits**, and **25,601 in discussion** sections.
- Performed sentiment analysis on issues, yielding an **average sentiment score of 0.11**, & identified average issue resolution times for programming languages, with **TypeScript (25 days)** and **Ruby (12 days)** being the highest.
- Found a **correlation coefficient of 0.1906** between debugging complexity and programming languages used.

Advanced Financial Analysis & Risk Assessment of Listed Companies (FinSharpe Project) |Python, ML. Link   **Feb 2024**

- Executed data cleansing on a financial screener dataset with 80 indicators provided by FinSharpe, a SEBI registered investment advisor, and **conducted quantitative risk analysis, identifying 362 high-risk stocks.**
- Performed market cap segmentation using 'FinSharpe Overall Score' and 'Value Score' to isolate **240** and **470 firms** for in-depth performance evaluation, which aided in securing a **$120,000 investment** for FinSharpe.

Duplicate Bug Report Detection using Siamese Convolutional Neural Network | Python, TensorFlow. Link   **May 2023**

- Processed Eclipse Bug Report Dataset using TF-IDF, Cosine Similarity, and N-grams for categorization, and developed an embedding matrix for training the model, achieving an **overall 93% accuracy.**
- Achieved **54%** and **71% accuracy** for similar and dissimilar bug reports, respectively, aiding future enhancements in Bugzilla's categorization capabilities.

Multiclass Image Classification using Deep Convolutional Neural Network | Python, TensorFlow. Link   **Nov 2022**

- Developed a DCNN achieving **57.15% validation accuracy** on the Tiny ImageNet dataset.
- Assessed the model against pre-trained models **VGG16 (80% accuracy)** and **Xception (35% accuracy)**, to benchmark performance metrics.

Skills & Certifications

Certifications: AWS Certified Cloud Practitioner (Amazon Web Services), Google Project Management (Google)
Languages & Databases: Python, JAVA, VB.NET, C++, R, SQL, NoSQL, Amazon DynamoDB, AWS Aurora, MongoDB
Data Processing & Management: OLTP, OLAP, ETL, Data Pipelines, AWS Lambda, AWS S3, AWS EC2 Auto-Scaling
Professional software & tools: AWS Services, .NET, SAS, Pentaho, Tableau, PowerBI, SQL Server, Kubernetes
Libraries: LLM, Scikit-learn, Numpy, Pandas, Seaborn, Keras, NLP, PyTorch, Reinforcement Learning, Tensorflow
Web Technologies: HTML, XML, CSS, PHP, JavaScript, JSON