Eashan Joshi

Available to work immediately | eashani4@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, & **50+** client configuration issues 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 Ma

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