

Eashan Joshi

Available to work immediately | eashanj4@gmail.com | [LinkedIn](#) | [Portfolio & GitHub](#) | 585-202-4547 | New York

Education

Rochester Institute of Technology

Aug. 2022 – Dec. 2024

Master of Science, Data Science, GPA: 3.74/4.00

Rochester, NY

Coursework: Machine Learning, Data Structures, Algorithms, Applied Data Science, Applied Statistics, Data Warehousing, Business Intelligence, Data Analytics, Visual Analytics

Pune Institute of Computer Technology

Aug. 2016 – Jun. 2020

Bachelor of Engineering, Computer Engineering

Pune, India

Work Experience

Full Stack Software Engineer

Sept. 2020 – Sept. 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

Debugging Optimization: LLM-Generated Multi-Turn Queries for Bug Resolution | Python, GPT-4, NLP. [Link](#)

Present

- 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**, & found a **correlation coefficient of 0.1906** between debugging complexity and programming languages used.
- Engineered a **GPT-4 based** interactive debugging system, generating multi-turn queries for precise bug localization.

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 crafted 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

- Created 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