

# Eashan Joshi

Available to work immediately | [eashanj4@gmail.com](mailto:eashanj4@gmail.com) | [Linkedin](#) | [Portfolio & GitHub](#) | 585-202-4547 | 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

Coursework: 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