Eashan Joshi

585-202-4547 | eashan.joshi.rit@gmail.com | [LinkedIn](#) | [GitHub](#) | New York, NY (Willing to relocate)

Software Engineer with 3 years of experience in software development (Python, C#, .NET) and big data technologies

TECHNICAL SKILLS

Languages: Python, C#, .NET, JavaScript, SQL, R, Java, C/C++
Frameworks: .NET Framework, Node.js, OpenAI API
Developer Tools: AWS, Visual Studio, Microsoft SQL Server, Tableau, Apache Spark, Hadoop, SAS, Jenkins, GitHub
Others: Agile, REST APIs, CI/CD, LLMs, Docker, Kubernetes, Linux, JSON, Unit Testing
Certifications: AWS Certified Cloud Practitioner, AWS Certified Developer - Associate (In Progress)

EXPERIENCE

Lead Research Assistant
Aug. 2023 – Present

Rochester Institute of Technology

- Engineered data mining algorithms and utilized GPU tools to analyze 5M+ ChatGPT mentions, uncovering trends that advanced data-driven insights and predictive accuracy
- Innovated a prompt engineering prototype that optimized AI response relevance by 30% and automated large-scale ecosystem analysis using Python-based solutions
- Developed Neo4j queries and leveraged parallel computing techniques to analyze Maven Central database, uncovering dependency trends and release rhythms for the MSR community

Software Engineer Intern
Jan. 2023 – Aug. 2023

FinSharpe

- Initiated and implemented Python-based models to analyze financial data for 362 high-risk stocks, optimizing trading strategies and enhancing system performance
- Integrated a Value at Risk (VaR) strategy into trading systems, improving risk management and securing an $850,000 investment during market volatility events

Software Engineer - Full Stack
Sep. 2020 – Sep. 2021

Yardi

- Improved financial management efficiency by developing 80+ components in the Trust Accounting Application, leading to a $300,000 reduction in operational costs
- Enhanced client data retrieval by 10%, contributing to efficient decision-making and increasing client satisfaction
- Designed data pipelines & scalable business solutions, reducing financial data error rate by 15% in insurance management
- Resolved over 100 support tickets, ensuring system performance and client satisfaction, supporting key accounts

PROJECTS

Trust Accounting Suite | *C#, .NET, JavaScript, SQL*

- Developed and integrated modules using .NET and SQL, improving fiduciary management efficiency by 20%
- Automated data transfers between banks and third parties using an Angular-based front-end and optimization techniques, reducing manual work by 25% and cutting operational costs

Duplicate Bug Report Detection Pipeline for Software workflows | *Python, TensorFlow, NLP*

- Optimized bug ticket processing for CRM systems by developing a text-matching pipeline using NLP, reducing duplicate ticket submissions by 25%,improving triage efficiency
- Streamlined defect management by using ML models to group similar tickets, reducing resolution time by 20%

PUBLICATIONS

Joshi, E. M., Vanjara, N. M., Mkaouer, M. W., & AlOmar E. A. (2024). *Tracing dependency dynamics in the Maven ecosystem.* Manuscript under review for the 2025 Mining Software Repositories Conference (MSR 2025)

EDUCATION

BE in Computer Engineering
University of Pune

MS in Data Science
Rochester Institute of Technology
May. 2025