

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 AND CERTIFICATIONS

Languages: .NET, JavaScript, SQL, Python, Java, C/C++, C#, R

Frameworks: .NET Framework, Node.js, OpenAPI

Developer Tools: .NET, Visual Studio, Microsoft SQL Server, Tableau, Apache Spark, Hadoop, SAS, Jenkins, GitHub

Others: Agile, REST APIs, CI/CD, Docker, Kubernetes, Linux, JSON, Unit Testing

Certifications: AWS Certified Cloud Practitioner (Amazon Web Services)

EXPERIENCE

Senior Software Engineer / Researcher

Aug. 2023 – Present

Rochester Institute of Technology

- Engineered data mining algorithms for the DevGPT dataset, analyzing 5M+ ChatGPT mentions using GPU tools to identify key trends for the Mining Software Repositories challenge
- Innovated a prompt engineering prototype that improved AI response relevance by 30% and automated large-scale ecosystem analysis using Python-based solutions
- Led the design and implementation of analysis tools for Maven Central, focusing on dependency usage, release rhythms, and unmaintained libraries to assess ecosystem health

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

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

Software Engineer Intern

Jun. 2019 – Aug. 2019

Pune Institute of Computer Technology

- Implemented the PSSF VM Allocation algorithm in Python, reducing co-resident attack risk by 25% in university cloud systems
- Enhanced VM resource allocation logic using PSSF, achieving a 30% reduction in attack vectors and a 20% boost in computational efficiency

PROJECTS

Trust Accounting Suite | .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, reducing manual work by 25%, saving operational costs
- Designed dashboards with JavaScript for real-time asset valuation, enhancing reporting accuracy by 15%
- Reduced compliance errors, helping avoid potential fines and enhancing client trust

EDUCATION

Rochester Institute of Technology

MS in Computer Engineering & Data Science

Dec. 2024

- Relevant Coursework: Design & Analysis of Algorithms, Data Structures, Database, Distributed Systems
- Honors: RIT Academic Merit Scholarship - For top 10% students in the class