RITHVIK SRIRAM

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EDUCATION

Rutgers University-New Brunswick   **May 2026**
BS in Computer Science, Data Science, and Mathematics   **Dean's List Recipient - GPA 3.61**

Relevant Courses: Principles of Computer Science, Data Structures, Computer Architecture, Systems Programming, Discrete Math I & II, Data Mgmt for Data Science, Design and Analysis of Computer Algorithms, Linear Optimization, Differential Equations, Mathematical Theory of Probability & Statistics, Statistics 1 & 2, Intro to Data Science

SKILLS

Languages: Java, Python, C, HTML, JavaScript, SQL, R, Swift, C#, C++, Kotlin, Matlab
Technologies/Libraries: Unix, Core ML, Maven, AWS, Azure, Git, REST APIs, PostgreSQL, NoSQL, Docker, MongoDB, Copilot
Frameworks: .NET, Flask, React.js & Native, PyTorch, Django, Node.js/Express, Agile/Scrum
Certifications: Google Professional Cloud Developer, Microsoft Certified: Azure Developer Associate

EXPERIENCE

Blue Cross Blue Shield   **June 2025 – August 2025**
Software Engineer Intern   Dallas, TX
- Enhanced an internal enterprise application used to manage secure member data across multiple states by applying secure coding practices, implementing tests, and actively participating in Agile Scrum ceremonies using Jira to ensure continuous improvement
- Developing backend features using C# within .NET framework and SQL, contributing to the scalability and sustainability of enterprise-level database systems, and collaborating on integrating Control-M workflows to automate regression testing
- Developing a company-wide AI chatbot that combines Azure AI Search, SQL databases, and OpenAI models for intelligent document retrieval and user support, using Chainlit for the frontend and an Anaconda-powered Python backend on Linux systems

Portnoy Schneck, L.L.C.   **June 2024 – October 2024**
Software Engineer Intern   Hamilton, NJ
- Gained hands-on experience in ETL processes, enhancing data integration and transformation procedures
- Improved workflow efficiency by 70% by leveraging Python and SQL alongside data manipulation tools like Excel and VBA to automate and streamline complex data processing tasks
- Demonstrated independent thinking and a keen learning attitude, contributing effectively to team projects and individual assignments

LilyPad   **August 2023 – September 2024**
Director of Artificial Intelligence
- Youth Non-Profit Organization that provides pro bono market research, consulting, and Gen-Z insights for nonprofits and startups
- Developed AI Chatbot (Clara) using OpenAI models that provided insights to all businesses and for extremely specific cases

AIOS Research   **September 2024 – Present**
- Contributor to the development of AIOS (AI Operating System), a novel architecture for managing LLM-based agents that achieved 2.1x faster execution speeds, enabling researchers to run more complex experiments in less time, iterate on multi-agent designs faster, and reduce compute costs across large-scale benchmarks

PROJECTS

File Processor - AWS Automated Process   **ReactJS, Python, TypeScript**
- Built a cross-platform full-stack file processing platform using ReactJS, TypeScript, and AWS services (Lambda, S3, DynamoDB, EC2) with CI/CD integration to streamline file ingestion and processing across web clients reducing manual input by 80%
- Enhanced frontend responsiveness and optimized backend API interactions to support user-scale file handling workflows by 60%
- Utilized AWS CDK to ensure scalable, repeatable deployments, and managing IAM roles and permissions for secure interactions

FlowFunds - Budget Tracking   **Angular, Springboot, PostgreSQL, PlaidAPI, Docker**
- Built a full-stack budgeting platform with Plaid API integration for live bank sync, enabling real-time transaction imports, categorization, and forecasting of monthly balances
- Designed predictive budgeting and proactive spending alerts, helping users avoid overspending and improve adherence to budget goals by 40% during testing
- Implemented Docker-based CI/CD pipelines with GitHub Actions and deployed to a PaaS environment

NBA Props Analyzer   **Python, SQL, ReactJS, HTML/CSS**
- Built a full-stack basketball analytics platform (Flask, ReactJS, SQLite) with predictive modeling pipelines to evaluate player performance and game outcomes
- Automated real-time data ingestion from NBA.com's API, enabling up-to-date tracking of advanced performance metrics
- Utilizing around 30 important factors including advanced player analytics to generate data-driven insights for player evaluation