

Rishi Parmar

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EDUCATION

Rutgers University-New Brunswick

BS in Computer Science & Data Science

Expected May 2026

Dean's List Recipient - GPA 3.6

Relevant Courses: Introduction to Computer Science, Principles of Computer Science, Data Structures, Computer Architecture, Systems Programming, Calculus I & II, Discrete Math I & II, Linear Algebra, Statistics I, Data 101, Data Mgmt for Data Science, Design and Analysis of Computer Algorithms

SKILLS

Languages: Java, Python, C, HTML, JavaScript, SQL, R, Swift

Technologies/Libraries: Unix, Web Scraping, GCP, AWS, Azure, Git, Firebase, REST APIs, PostgreSQL, OracleDB

Frameworks: Flask, Agile/Scrum, React.js & Native, PyTorch, Django, Node.js/Express, SailPointIIQ

EXPERIENCE

Capital One

June 2025 – August 2025

Dallas, TX

- Built and deployed a Python (FastAPI) REST API integrating Workday, OracleDB, and SailPoint IIQ, **cutting user termination processing time by 91%** (~23 hrs to <2 hrs), enabling near real-time identity and access updates
- Designed and launched a secure, scalable IAM architecture adopted company-wide (~52K employees), mitigating deprovisioning delays, reducing security vulnerabilities, and ensuring compliance with internal governance standards
- Led **production** rollout using AWS Load Balancer, Route 53, Lambda, and CloudWatch, containerizing, monitoring, and optimizing the API for high availability, fault tolerance, and long-term maintainability

Project Code

June 2020 – August 2022

West Windsor, NJ

Co-Founder & Lead Instructor

- Organized an advanced 12-week, project-focused curriculum utilizing MIT OpenCourseWare
- Introduced Scratch, Java, and Python fundamentals in a seminar comprised of 50+ K-3 students

PROJECTS

Rutgers Health Hack - 1st Place Overall | Awarded \$3,000

PyTorch, Matplotlib, Pandas

KicNic - Combatting Vaping Epidemic with Wearable Tech

Swift, Firebase, React

- Implemented a Long Short-Term Memory (LSTM) neural network model in PyTorch with ~92% accuracy to classify vape actions, leveraging time-series data from Apple Watch sensors for real-time detection
- Orchestrated end-to-end data processing pipeline by implementing data cleaning, transformation, and labeling processes, resulting in a structured and high-quality dataset that improved model precision
- Developed a responsive, interactive dashboard in React for seamless data visualization, enabling users to track and analyze nicotine usage, health metrics, and financial savings across daily, weekly, and monthly views

HackRU - 2nd Place Overall out of 300+ | Best Use of Google Cloud

Python, React, GCP, Firebase

FairShare - Advanced Bill Splitting

NoSQL, Azure, OpenAI

- Led integration of Azure and OpenAI APIs in Python, achieving ~95% accuracy in receipt data queries under 15 seconds through iterative runtime and accuracy optimizations while employing dual AI validation
- Deployed scripts via Google Cloud Functions for real-time responsiveness, ensuring seamless scalability and instant serverless execution tailored to user interactions
- Created a secure and user-friendly NoSQL database through Firebase, coupled with an intuitive iOS interface in React Native, enhancing data access performance and user engagement

Project for YC-Backed Startup Spend Ruby

Node.js + Express, React, AWS,

Real-Time Expense Tracker Dashboard

PostgreSQL, Postman, OpenAI

- Optimized Node.js/Express server on AWS EB, enhancing transaction processing efficiency by 20%
- Engineered a robust PostgreSQL database design hosted on Amazon RDS, enhancing real-time query performance and scalability for complex financial transaction processing
- Secured user data with JWT authentication, integrating OpenAI for personalized, AI-driven financial insights