Rojin Sharma

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EDUCATION

Vanderbilt University, Nashville, TN   Aug 2022 – May 2026

Bachelor in Computer Science, Physics & Mathematics

- **Selected Coursework:** Program Design & Data Structures (C++), Algorithms, Intermediate Software Design, Discrete Mathematics, Computer Architecture, Introduction to Programming, Linear Algebra, Calculus, Intorduction to Probability and Statistics, Modern Physics, Classical Mechanics, Quantum Mechanics, Fundamentals of Quantum Engineering

EXPERIENCE

Software Engineering Intern | Aug 2024 – Present

CloudQuish LLC.   *Remote*

- Enhanced system scalability by refactoring backend logic and optimizing API calls, reducing server load by 30% and improving system reliability under high traffic.
- Strengthened security by implementing role-based access control (RBAC) with JWT, securing user accounts from unauthorized access.
- Accelerated database queries by 40% through indexing and query optimization, boosting API response times

FullStack Development Intern | May 2024 – Aug 2024

JumboTaxes(Automated Property Tax Appeal)   *Philadelphia, PA*

- Designed and implemented a high-performance backend using Node.js and Express.js, reducing data handling time by 35%
- Developed and maintained PostgreSQL and MongoDB database solutions, improving query performance by 40%.
- Created and deployed RESTful APIs, decreasing submission-related errors by 50% and enhancing user experience

PERSONAL PROJECTS

e-Commerce Website | *MERN(MongoDb, Express.js, React, Node.js) Stack*   May 2024 – Aug 2024

ProShop e-commerce Platform   *Nashville, TN*

- Built full-featured eCommerce platform using the MERN stack and Redux Toolkit, with PayPal/card integration and JWT authentication.
- Implemented features like shopping cart, product reviews, user profiles, and an admin interface for managing products, users, and orders.
- Deployed the application with React hooks, MongoDB, and custom authentication middleware, ensuring secure user sessions and optimized payment processing for real-world use

AI SaaS Platform | *Next.js 13, React, Prisma, MySQL, Stripe*   July 2023 – August 2023

AI Platform   *Nashville, TN*

- Developed a 5-tool AI SaaS platform using Next.js 13 App Router, optimizing client-side routing for seamless user experiences.
- Integrated Stripe for streamlined billing, ensuring a smooth and secure payment process with 99.9% uptime.
- Leveraged React, Prisma and MySQL for efficient data management, enabling the platform to scale to 10,000+ users and transactions.

TECHNICAL SKILLS

Languages: Python, Javascript, Typescript, C, C++
Machine Learning Tools: Pandas, NumPy, Matplotlib, Scikit-Learn
Web Technologies & Database: Node.js, Express.js, React.js, Next.js, HTML, CSS, Postman, Postgres, SQL, MongoDB, Git, REST APIs, Pandas, NumPy, Matplotlib, Scikit-Learn

AWARDS AND INVOLVEMENT

James C. Seuss Scholarship - Fullride Scholarship, 2022 – 2026
Dean's List, 2024 – Present