

# Rojin Sharma

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## EDUCATION

**Vanderbilt University, Nashville, TN**

Aug 2022 – May 2027

*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, 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++

**Web Technologies & Database:** Node.js, Express.js, React.js, Next.js, HTML, CSS, Postman, Postgres, SQL, MongoDB, Git, REST APIs

## AWARDS AND INVOLVEMENT

**James C. Seuss Scholarship - Fullride Scholarship**, 2022 – 2026

**Dean's List**, 2024 – Present