

# Nishan Thapa

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## EDUCATION

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**Drexel University, Philadelphia, PA**

Sep 2020 – Jun 2025

*Bachelor in Computer Science & Finance*

*Cumulative GPA: 3.55*

- **Selected Coursework:** Web & Mobile Dev, Data Structures and Algorithms, Probability and Statistics, Adv. Programming Tools and Techniques, System Programming, Differential Eqs, Linear Algebra

## EXPERIENCE

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**Fullstack Engineer** | *OpenAI, NodeJS, NextJS, CI/CD, DigitalOcean, REST*

Aug 2023 – Present

*JumboTaxes — Startup*

*Beaufort, SC*

- Led team of 3 full-stack engineers in developing a web-based property tax appeal software at JumboTaxes.
- Implemented AI models, Persona identity verification, OpenAI and LandVision API for intelligent client verification and appeal letter generation, reducing manual tasks.
- Designed a scalable tech stack using Node.js, TypeScript, Next.js, and PostgreSQL to accommodate extensive data collection for future AI model training and current webapp and solely looked over all DevOps

**Software Engineer** | *TypeScript, NodeJS, Azure, MongoDB, GraphQL*

Apr 2023 – Sep 2023

*ECFMG*

*Philadelphia, PA*

- Achieved 70% improvement in EFDO product security through robust authentication; optimized performance by transitioning from REST to Apollo-GraphQL stack, reducing data fetching time by 50%
- Created a dynamic JS/HTML framework specifically for UI testing in a storybook making hot-reload & custom styling possible for Microsoft Azure B2C forms, lauded by Microsoft and adopted by Intealth for Identity portals
- Rapidly developed a Support Team Admin Web App in just 3 days, resulting in a 90% reduction in support requests and improved internal productivity.

**DevOps & FullStack Engineer** | *ReactJS, AntD, Tailwind, CI/CD, DigitalOcean*

Sep 2022 – Mar 2023

*EventSimplify*

*Kathmandu, Nepal*

- Orchestrated CI/CD using GitHub Actions on DigitalOcean, overseeing network security, SSL integration, DNS maintenance, and records management for structured testing and deployment.
- Managed a team of UI developers, collaborated with designers, and improved EventSimplify's UI.
- Shifted between frontend and backend to create vital modules, enhancing EventSimplify's functionality.
- Led UI design collaboration, approved designs, and developed key pages to enhance EventSimplify's user interface.

**Computer Science Teaching Assistant** | *Python, JavaScript, NodeJS*

Sep 2021 – Present

*Drexel University*

*Philadelphia, PA*

- Mentored 300+ students as Scrum Master, elevating agile skills, and guided them in web development, providing assistance in Node.js, Express.js, SQL, MongoDB, and React.js, along with dedicated office hours.
- Provided constructive feedback on student work, facilitating discussions on best practices, architecture, and problem-solving to empower their web development & programming skills.

## PROJECTS

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**DynamicPortfolio Generator** | *Mongo, Express, React, NodeJS, DigitalOcean*

- Developed a user-friendly, open-source platform using the MERN stack for students to create personalized portfolio websites, facilitating effortless showcasing of achievements while encouraging community contributions.

## TECHNICAL SKILLS

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**Languages:** Javascript, TypeScript, Python, C

**Web Technologies & Database:** React, Next.js, React Native, Vite, Node.js, GraphQL, REST Api Apollo, jQuery, Express.js, PostgreSQL, MongoDB

**Cloud & DevOps:** Azure, DigitalOcean, GCP, CI/CD, GitHub Actions, Docker

## AWARDS AND INVOLVEMENT

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**Drexel Global Scholarship - Fullride Scholarship, 2020 – 2025**

**Dean's List, 2021 – Present**