

# Siddhartha Pudasaini

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## Education

### University of North Texas

Bachelors of Science in Computer Science

Denton, TX

May 2025

### Tarrant County College

Associates of Science

Fort Worth, TX

May 2023

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## Skills

**Languages:** JavaScript, Python, Java, C, C++, HTML, CSS

**UI Frameworks:** React, React Native

**Backend Frameworks:** Express, FastAPI

**Backend Services:** Firebase, AWS

**Databases:** MySQL, MongoDB, SQLite

**Methodologies:** Agile, Scrum

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## Experiences

### Software Engineering Class Project

#### Full Stack Web Developer

Denton, TX

May 2024 - August 2024

- Engineered a full-stack web application using React (frontend) and FastAPI (backend), integrating a structured SQL database for robust storage, high-performance queries, and seamless user experiences.
- Implemented JWT-based authentication to secure access and manage sessions, and designed RESTful APIs to ensure smooth communication between client and server within a scalable, modular architecture.
- Followed Agile principles and the Scrum framework, participating in sprint planning, daily stand-ups, and iterative development cycles to ensure clean code practices, timely delivery, and collaborative progress.

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#### Full Stack Web Developer Intern

Remote

Jan 2024 - Apr 2024

- Contributed to the development of a high-performance single-page application (SPA) using React and Node.js, assisting with advanced state management, component optimization, and responsive UI design for a seamless user experience.
- Supported the design and maintenance of a MongoDB NoSQL database, applying best practices in schema modeling, indexing, and aggregation to ensure efficient handling of complex, unstructured data.
- Assisted in building a container-ready microservices infrastructure, enabling modular and scalable service deployment, and collaborated on the development and versioning of RESTful APIs for reliable real-time client-server communication.

### Arizona State University

#### Research Assistant

Phoenix, AZ

Jan 2022 - June 2022

- Designed and launched a responsive WordPress website for the Tourism Resilience Forum, promoting academic engagement on tourism in Nepal and ensuring cross-device accessibility.
- Created Figma wireframes and prototypes, conducted usability testing, and collaborated with faculty to refine UX/UI and manage CMS workflows for optimized content delivery and user engagement.

### Omnivore

#### UI/UX Designer & Mobile Developer (Informal)

Phoenix, AZ

Feb 2022 - May 2022

- Designed intuitive wireframes and mobile UI/UX for the Omnivore app, ensuring cohesive user flows and visual consistency based on mobile-first design principles.
  - Developed the mobile application using React Native, translating design mockups into functional components and optimizing performance across Android and iOS platforms.
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References available upon request