

Tushar Wani

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EDUCATION

Anticipated Masters of Science in Computer Science

August 2025 - May 2026

University of Texas at Dallas

Bachelor of Science in Computer Science

August 2022 - May 2025

University of Texas at Dallas | GPA - 3.8

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python, PostgreSQL, MySQL, SQLite

Frameworks: NuxtJS, React, Vue, TailwindCSS, ExpressJS, PrismaORM, Auth0

Developer Tools: Git, Docker, VS Code, IntelliJ JetBrains, AWS S3, AWS Cloudfront

EXPERIENCE

EPICS Mentor

June 2024 - Present

- Mentoring two teams working on a ride-sharing web app and a volunteer database for two non-profit organizations
- Leading agile-like sprints using **GitHub Projects** for project management
- Constantly reviewing code to ensure codebase coherency and prevent feature regression
- Fostering accountability by encouraging team members to be proud of their work and celebrating accomplishments
- Over the past two semesters, I have guided four teams developing web apps for non-profit organizations
- Conducted two workshops for the **Prisma ORM** tool; going over what it is, what it does, and conducted exercises on how to write database queries using the tool
- Conducted one workshop on the **Auth0** service; going over common vulnerabilities with authentication systems, significance of the Auth0 service, and how to setup a development tenant in Auth0

Short-Term Working Group

August 2024 - December 2024

- Played a major role in improving resources for my Software Engineering class through the STWG created by the professor
- Assigned tasks to team members and planned refinements by discussing their comforts, strengths, and preferences
- Attended regular meetings and kept extensive meeting notes to keep the team on-track with the current TODOs
- Enhanced the curriculum to reduce the learning-curve for the course's semester-long project by building on the team's previous experiences
- Created a 14+ minute long video presentation giving a bird's-eye view of the components of web development

TWCGateway

August 2023 - May 2024

- Implemented a full-stack web app for automating the onboarding process for a DFW-area based non-profit organization called The Warren Center
- Lead two different teams of six people over the course of two semesters
- Handled frequent requirement changes over the course of development
- Converted 90% of pen/paper based workflows into the web interface
- Implemented token-based authentication using **Auth0**
- Created the frontend using **ReactJS** and used **TailwindCSS** for styling
- Created the backend using **ExpressJS**, and **Prisma** as the ORM with a dockerized **PostgreSQL** database
- Deployed on **AWS S3** and **AWS Cloudfront**

COLLEGIATE INVOLVEMENT

Axxess Hackathon | Overall 2nd Place

February 2024

- Developed a web app using **ReactJS+Django** to help COPD patients monitor their symptoms
- Used **k-means ML algorithm** on a COPD dataset from **Kaggle** to assign scores for severity of their symptoms

HackUTD | CBRE 3rd Place

November 2023

- Developed a website to buy stake in houses and other properties
- Used a **Vision-and-Language Transformer (ViLT)** model fine-tuned for property evaluation based on photos

History of Aviation Archives | 40+ volunteering hours

January 2023 - May 2023

- Processed and prepared the complete John Wiren Collection, totaling 5.7 linear feet
- Independently organized and cataloged available primary sources for preservation
- Authored detailed collection entry documents for archival documentation and reference