Advaith Tontalapur

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 atontalapur.github.io in advaith-tontalapur   atontalapur

Experience

Frontend Engineer - Intern   *Remote*
US-Based Non-Profit Service Organization   *June 2024 - Sep 2024*

- **Engineered a dynamic, responsive website** using React.js and Tailwind CSS to enhance user experience.
- **Authored and managed** technical documentation for seamless accessibility and operational efficiency.
- **Developed and optimized** chapter portals and resources to streamline access and engagement.
- **Maintained and updated** the organization's website, ensuring up-to-date visibility of events.

Database Management Intern - Events Committee   *Remote*
US-Based Non-Profit Service Organization   *Apr 2023 - Jul 2023*

- **Managed and optimized** the organization's events database with MySQL, ensuring efficiency.
- **Designed and developed** HTML email templates, customizing chapter-wide invitations and outreach.

Projects   *atontalapur.github.io/#projects*

Testify   *January 2025*

- **Developed an AI-powered application** that generates question papers from lecture materials. Uses OpenAI Assistant API for question generation and Python for automated PDF creation.
- **Built a Flask-based back-end** to connect the API's response to the front-end seamlessly.

Coin Collector   *Sep 2024 - Dec 2024*

- **Designed and developed** an interactive game, leveraging Agile methodologies and SOLID principles for a scalable and maintainable architecture.
- **Led sprint-based development**, integrating GitHub for version control and efficient collaboration.
- **Optimized workflows** with sprints and GitHub, ensuring streamlined development and code management.
- Tech Stack: Python, PyTest, SQLite, Git/GitHub

Education

University of California, Riverside   *Sept 2023 – Current*
BS in Computer Science

- **Coursework:** C++ Data Structures and Algorithms, Assembly Language, Software Construction, Logic Design, Verilog

Woodbridge High School, Irvine   *Aug 2022 – May 2023*
High School Diploma

- **Coursework:** Java Data Structures and Algorithms

Certifications

Learning Docker   *Feb 2025*
LinkedIn
linkedin.com

Web Scrapping Using Python   *Feb 2025*
University of Michigan
coursera.org

Technologies

Languages: C++ (gtest), Python (pytest), Java, LC-3 Assembly, HTML5, Tailwind CSS, React.js, MySQL, Docker
IDE: VS Code, intelliJ IDEA CE, PyCharm, Eclipse