Advaith Tontalapur

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Experience

Technology Team Intern — *Remote*
Hindu YUVA USA — *May 2024 - Sep 2024*

- **Developed and optimized** chapter portals and resources for the organization.
- **Maintained and updated** the website to showcase the latest events and initiatives.
- **Created and managed technical documentation** for streamlined accessibility.
- **Engineered a responsive website**, leveraging Tailwind CSS and React.js to enhance UI/UX.

Database Management Intern - Events Committee — *Remote*
Sewa International, USA — *Apr 2023 - Jul 2023*

- **Managed and optimized** the organization's events database using MySQL.
- **Developed HTML email templates** for efficient chapter-wide invitations and outreach.

Projects

Coin Collector — *Sep 2024 - Dec 2024*

- Designed an interactive game utilizing **Agile methodologies** and **SOLID principles** for clean architecture.
- Implemented **sprint-based development**, utilizing GitHub for version control and team collaboration.
- Extensively used sprints, Git, and GitHub for collaboration and version control.
- Tech Stack: Python (Python Arcade), SQLite, PyTest, Git/GitHub

Testify — *January 2024*

- Developed an AI application to generate question papers and answer keys based on lecture materials.
- Used **OpenAI Assistant API** to generate questions based on the prompt.
- Parses the questions generated by OpenAI Assistant and generate a PDF with Python.
- Tech Stack: Python (backend logic), Flask (Connect Backend API to frontend), APIs,

Education

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

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

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, HTML, CSS, React.js, MySQL
IDE: VS Code, intelliJ IDEA CE, PyCharm, Eclipse