PRANAV PAKANATI

ASPIRING WEB DEVELOPER

CONTACT

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SKILLS

Intermediate **Python** Developer

UI/UX Design with **Figma**

HTML/CSS/**SASS**

Critical-Thinking / **Problem-Solving** Skills

API / **Website** Development with **Flask**

EDUCATION

Heritage High School

Class of 2025
GPA: 4.00/4.00, 5.24/6.00 **(Top 3%)**

Relevant Coursework:
- AP Physics I & II
- AP Calculus AB
- AP Computer Science A
- Independent Study and Mentorship, Web Development

Clubs:
- Computer Science Club (Sgt. in Arms)
  - **Developed** and **delivered** an approachable lesson plan to students of all skill levels
- Business Professionals of America
  - **State Finalist - 3rd Place** (2023) Computer Programming Concepts
- National Honor Society

ACCOMPLISHMENTS

- **Top 30** - Blue Ocean Competition (2023)
  - **Designed** UI mockups of an at-home donation app for a business pitch
- UTD Battle of the Brains (Spring 2023)
  - **2nd Place**

LANGUAGES

English
Telugu

OBJECTIVE

With utmost **dedication** and **determination**, I am constantly **learning** and **refining** my skills by **creating** my own **apps** and **projects**. In addition, I will conduct thorough **research** and **interview** with professionals to **expand** my **knowledge** of this field, and eventually develop my own, **original work** under a mentor.

EXPERIENCE & PROJECTS

SpotAlong

Creator

- **Developed** a **desktop app** where users can listen along to their friends through Spotify, delivering **real-time data** to and from **multiple clients concurrently**, with **minimal latency**
- **Self-taught** many technologies and concepts, including **SQL**, RESTful APIs with **Python + Flask**, websockets, **MVC** (Model-View-Controller) architecture, **threaded/concurrent** processing, **HTML/CSS/JS**, **QT** for cross-platform desktop development, **client-server** architecture, NSIS install scripts, **Socket.IO**, **OAuth 2.0** authentication, **responsive** UI design, etc.
- **Deployed** the backend server to **DigitalOcean** with a **CI:CD** pipeline, **containerizing** dependencies and the runtime environment

Techrova Enrichment Club

Volunteer Python Teacher

- **Taught** middle-school kids an introductory Python programming course
- **Organized** topics into a comprehensive syllabus containing approachable, new concepts every week
- **Collaborated** with a co-worker to develop a weekly presentation and lesson plan
- **Conducted** an end-of-year project showcase, where students developed their own ideas and displayed them in a science fair

Independent Study & Mentorship, Web Development

- **Conducting** independent research about web development, obtaining crucial knowledge in the field, furthering future decisions about computer science as a whole
- **Enhancing** valuable professional skills and opportunities (e.g. networking, interviewing)

LINKS