

PRANAV CIVI

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EDUCATION

Texas A&M University

BS in Computer Science, Minor in Mathematics

College Station, TX

Aug 2021 – May 2025

- **GPA:** 3.83/4.0
- **Brown Scholars Engineering Honors**
- **Relevant Coursework:** Program Design and Concepts, Data Structures and Algorithms, Discrete Structures for Computing, Computer Organization, Programming Languages, Calculus I-III, Linear Algebra

EXPERIENCE

Software Engineering Internship

June 2023 – August 2023

Verizon Communications

Irving, TX

- Developed a real-time KPI dashboard to forecast projected subscriber user growth from 4G and 5G IPv4/IPv6 Core data for capex/opex budgeting which resulted in predicted annual capital savings of \$1.15M
- Automated data extraction, collection, and storage from Aether platform to a MySQL database using a Python script and Cron jobs on a Verizon Ubuntu server which increased program efficiency by 90%
- Displayed trends in total throughput by creating a REST API using Node.js with an Express framework, HTML, CSS, and Google Chart API
- Implemented various filter options on the dashboard using Google Chart API allowing end-users to selectively view curated data
- Utilized Gitlab for robust version control throughout the project's development, consistently using commits and pull requests to ensure seamless collaboration and a well-maintained code base

SAP Technical Consulting Internship

June 2022 - August 2022

Cognitus Consulting

Dallas, TX

- Established Business Application Studio to SAP Hana Cloud connectivity using Node.js
- Utilized Dev Spaces and server instances to create a Hana Cloud App that gives users CRUD capabilities for Hana Cloud Database using Node.js, SQL, and Postman
- Used JavaScript, SQL, and HTML to allow an end user to upload CSV files from local storage into SAP Hana Cloud

PROJECTS

Tunes to Tickets | Python, HTML, CSS

- Worked with two peers to develop a Flask web app that recommends concert tickets based on a user's Spotify listening history, top artists, and related artists using the Spotify API and Ticketmaster API
- Implemented Python Pickle serialization/deserialization techniques to optimize data storage and retrieval, reducing the frequency of Ticketmaster API calls as the user base scaled, resulting in greatly improved program efficiency.
- Utilized session management to preserve login states across web pages while maintaining security through OAuth 2.0 implementation for protected user authentication

Attendance Tracker | Java

- Developed a program with a user-friendly JavaFX interface to read and analyze students' sign-in and sign-out times
- Applied Object Oriented Programming concepts in Java to collect, organize, and display information according to user-defined parameters.

Discord Wordle Bot | Python

- Built a Python script with three peers that allows a Wordle game to be played inside a Discord text channel
- Integrated Discord's Python API to connect a text channel to the script
- Incorporated real-time responsiveness using asynchronous programming

TECHNICAL SKILLS

Languages: Java/JavaFX, Python, C/C++, SQL, JavaScript/Node.js, HTML, CSS

Developer Tools: Git, VS Code, Eclipse, SAP BTP, SAP BAS, Postman, SQL Workbench, Ubuntu, Vim, Google Chart API

Operating Systems: Windows, MacOS, Linux

Other: SAP Hana Cloud Database, Grafana, Cron