Pranav Civi

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EDUCATION

Texas A&M University <div align="right">College Station, TX</div>

BS in Computer Science, Minor in Mathematics <div align="right">*Graduation Date: May 2025*</div>

- **GPA:** 3.8/4.0
- **Brown Scholars Engineering Honors**
- **Relevant Coursework:** Program Design and Concepts, Data Structures and Algorithms, Discrete Structures for Computing, Programming Languages, Machine Learning, Database Systems, Advanced Algorithms
- **Future Coursework:** Artificial Intelligence, Cloud Computing, Information & Storage

EXPERIENCE

JPMorgan Chase & Co. <div align="right">June 2024 – August 2024</div>

Software Engineering Internship <div align="right">*Plano, TX*</div>

- Created a scheduled discrepancy reporting tool for Small Business Credit Cards (Chase Ink) Spend Cash Control
- Developed a backend API that pulls, manipulates, and reorganizes data from an AWS Aurora database supporting various search filters with exception handling using Java Spring Boot to increase search efficiency by about 75%
- Provisioned AWS ECS and Lambda cloud infrastructure using internal Terraform wrappers
- Maintained CI/CD pipelines using Jenkins, Spinnaker, and Git

Verizon Communications <div align="right">June 2023 – August 2023</div>

Software Engineering Internship <div align="right">*Irving, TX*</div>

- 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 Express, HTML, and CSS
- Implemented various dashboard filters using Google Chart API allowing end-users to selectively view curated data

Cognitus Consulting LLC <div align="right">June 2022 - August 2022</div>

SAP Technical Consulting Internship <div align="right">*Dallas, TX*</div>

- 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 end users to upload CSV files from local storage into SAP Hana Cloud

PROJECTS

Tunes to Tickets | *Python, HTML, CSS* | *Fullstack*

- 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

AI Mock Interview Practice Portal | *Python, MongoDB* | *Back-end*

- Worked with 6 peers at the 2023 JP Morgan Chase Code for Good Hackathon to develop a portal for university students to practice behavioral mock interviews with an AI grader to enable on-demand interview practice
- Leveraged MongoDB as a scalable database solution for the storage and management of company and user data
- Established seamless connectivity between the UI and database through a RESTful API, built with Python Flask

TECHNICAL SKILLS

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

Developer Tools: Springboot, AWS, React, Git, SAP BTP, SAP BAS, Postman, SQL Workbench, Ubuntu, Vim, Google Chart API, PostgreSQL, PgAdmin4

Other: SAP Hana Cloud Database, Grafana, Cron, Windows, MacOS, Linux