

TEJAS MEHTA

iamtejasmehtha.com • tejasmehtha@utexas.edu • linkedin.com/in/TejasMehta14 • github.com/TejasMehta1 • (214) 566-5484

EDUCATION

The University of Texas at Austin Bachelor of Science in Honors Computer Science May 2023
Bachelor of Business Administration, Canfield Business Honors, Management (Entrepreneurship)
Certificate: Applied Statistical Modeling
GPA: 3.97/4.0

SKILLS

Programming Languages: *Proficient:* Java, Python, HTML/CSS; *Intermediate:* C, JavaScript, SQL

Frameworks and Platforms: React, Flutter, Google Cloud Platform, Firebase, PyTorch, GatsbyJS, Docker, Git, Figma, Creo, Fusion 360

Certifications and Summits: Capital One Software Engineering Summit (3rd Place in Hackathon), Google CSCI-Coursera (Algorithms)

RELEVANT COURSEWORK

Data Structures, Computer Architecture, Discrete Mathematics, Robot Learning, Information Technology Management, Probability and Statistics, Longhorn Startup Seminar, Data Visualization and Quantitative Methods

EXPERIENCE

The Home Depot - *Software Engineering Intern*; Austin, TX (Remote) June 2020 - August 2020

- Developed an autocomplete form in self-checkout that allows professional contractors to store their transaction by job name, a feature crucial for over 40% of revenue and being deployed to over 50,000 registers in 2,200 stores in North America
- Utilized React, Redux, Java (Spring), and WebSocket communication while modifying the register and self-checkout codebases
- Wrote unit tests using JUnit + Mockito, end-to-end tests using Cucumber, and a feature flag to enable the feature in select stores

Zimperium Mobile Security - *Software Engineering Intern*; Dallas, TX June 2019 - August 2019

- Developed a Web App using Python (Flask), HTML, CSS, and JavaScript (jQuery) detailing Zimperium's cloud infrastructure
- Designed the tool to visualize VPCs in an interactive map and provide live metrics, endpoints, and attributes for 87 VPCs
- Implemented an API to post and update data automatically and created a secure Firebase Database protected with Firebase Auth
- Deployed using Ansible and Shell and is currently used by 143 (>70%) employees in engineering, sales, and management

UNT EFRI Phononics Lab - *Research Fellow*; Denton, TX October 2017 - May 2019

- Authored paper and presentation submitted to the Texas Junior Academy of Science which was awarded 2nd place in engineering
- Using MATLAB and R, created a frugal and untraceable encryption system utilizing quantum tunneling and Anderson localization

PROJECTS

LocoEats June 2020 - Present

- Locally owned and Black owned restaurant discovery service with over 2,700 unique users; 10,700 pageviews; and 10,200 queries
- Built using React, Python (Flask), and PostgreSQL, deployed using Cloud Run, Cloud SQL, and monitored using Google Analytics

CraveRN - ([Google Play Store](#)) ([App Store](#)) March 2020 - Present

- Mobile and web app with an image-based search engine to display personalized and currently open restaurants to users
- Developed using a Python (Flask) backend and a HTML/CSS/JS frontend that utilizes Firebase Database and Google Cloud Storage
- Deployed using Google Cloud Run. Cross-platform (iOS and Android) application designed using Flutter (Dart)

Vicaya Web Crawler and Search Engine December 2019 - Present

- Crawled over 1,000 pages of wikipedia.org and stored their descriptions, titles, and words in a quickly searchable 40mb index
- Developed query engine using Dijkstra's shunting yard algorithm capable of phrase, and, or, and negation queries under 1 second
- Deployed using Google Cloud Run, Compute Engine (VM), Cloud Storage, and Spring Boot (Java)

LEADERSHIP EXPERIENCE AND ACTIVITIES

Computer Science and Business Association – *Vice President of Technology (Founding officer)* April 2020 - Present

- Created TexasCSBA.org using React with features including automated email, calendar, subscription, and feedback infrastructure
- Contacted potential sponsors, negotiated sponsorship packages, and planned/hosted virtual events including tech talks and socials

Student Government Organization - *Senator* May 2018 - May 2019

- Represented 374 students at UNT and promoted funding for TAMS clubs, healthier food, and a safe, inclusive residence hall
- Launched a peer support program upliftstress.com with the endorsement of the dean, psychologist, and director of student life
- Interviewed and trained 10 students to be peer supporters for the service now available to 374 students