ADITYA AGRAWAL

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EDUCATION

UNIVERSITY OF TEXAS AT AUSTIN   *August 2021 – May 2025*
- **Major:** Bachelor of Science in Computer Science; **Minors:** Business, Entrepreneurship   Austin, TX
- **Relevant Coursework:** Software Engineering, Object-Oriented Programming, Data Structures

TECHNICAL SKILLS

- **Proficient:** C, TypeScript (JavaScript), Java, React, Vue 3, NodeJS, SQL, HTML5, CSS, Python, C++
- **Intermediate:** PHP, SvelteKit, Laravel, Flask, Kotlin, Django, C#, ASP.NET, SCSS, Selenium, VBA, Excel

WORK EXPERIENCE

SPACEX – Launch Recovery, *Business Operations Intern*   *May 2023 - Present*
- Designing and implementing an advanced automated scheduler to streamline and optimize operational scheduling for technicians, enabling rapid response to a highly variable launch schedule.
- Developing custom software solutions to support port technicians, enabling seamless asset management, and ensuring their safety by providing real-time weather alerts.

ATMOSPHERE TV, *Software Developer Intern*   *May - August 2022*
- Spearheaded the creation of a customized component library utilizing Vue 3 and TailwindCSS, resulting in a consistent and efficient UI across Atmosphere's customer portals and other websites for 9000+ monthly active users.
- Implemented automated testing using StorybookJs, ensuring seamless integration and reducing development time.
- Migrated, replaced, and rewrote 10+ libraries utilized in the customer portal from Vue 2 to Vue 3 JavaScript framework.
- Owned implementation of two consumer interaction analytics tools for the customer portal using an in-house analytics API, HotJar, BigQuery, Looker, and Google Optimize.

RADIX ENGINEERING AND SOFTWARE, *Software Engineering Intern*   *July - August 2019*
- Saved ~$52,000 annually by developing computer-based invoice matching tool in Excel using VBA, automated the hour allocation calculations, and created a web-admin site using ASP.NET, C#, and SQL.

ENTREPRENUERSHIP

TALEMNA, *Co-Founder*   *June 2022 – Present*
- Creating a mobile-first website utilizing React, TypeScript, and Firebase to connect tutors and students in Saudi Arabia.
- Implementing i18n to support both English and Arabic on the website to improve accessibility for all users.

FLOOD ALERT, *Founder*   *February 2017 – May 2021*
- Developed a web application using Bootstrap, Firebase, and Google Maps to help people navigate through the safest route in flooded zones by crowdsourcing information.
- Invented a flood sensor to collect real-time and location-specific water level measurements with integration to the web application. Used C++ and the REST API to develop and connect this sensor to the database.

SPEEDELIVERY, *Co-Founder, Lead Web Developer*   *March 2020 – May 2020*
- Founded a zero-cost grocery delivery service and programmed a website for at risk-individuals.

LEADERSHIP

Freetail Hackers, *Internal VP, Merge Project Lead & Events/Experience Member*   *February 2022 – Present*
- Led and planned 4 hackathons, reaching 2,000+ hackers, including HackTX - one of the biggest hackathons in the state.
- Led a team of 6 to deploy a team-matching app for hackathons using Mongo DB, Express, React, and NodeJS. Improved the DevOps by setting up a CI/CD pipeline, unit testing, and deploying to AWS and Vercel.

Mu Alpha Theta, *President*   *August 2018 – May 2021*
- Raised $1500 in scholarships by leading the 5-person leadership team to organize multiple events and fundraisers.

INTERESTS /AWARDS

- **Golf:** TAPPS Golf State Tournament – 3rd Place   *May 2021*
- **Teaching:** Taught Math and Computer Science to 40 underserved middle school students   *June – July 2020*