

# Ayush Manoj

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## EDUCATION

### University of Texas at Austin

Austin, TX

*Bachelor of Science in Computer Science*

*Aug 2022 – May 2025*

**Coursework:** Computer Organization and Architecture; Data Structures; Discrete Math for Computer Science; Matrices and Matrix Calculations; Sequences, Series, and Multivariable Calculus

**Activities:** Texas Convergent; University Securities and Investments Team

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, HTML, CSS, SQL, C

**Frameworks:** React.js, React Native, Next.js, Node.js, Tailwind CSS, Flask, Rasa

**Databases:** PostgreSQL, MongoDB, Supabase, Prisma, Heroku

**Tools:** Expo, Jupyter Notebook, tRPC, NextAuth.js

**Libraries:** NumPy, Pandas, Matplotlib, SciKit-Learn, SQLAlchemy

## EXPERIENCE

### Texas Convergent

Austin, TX

*Forge Engineer*

*Jan 2023 – Present*

- Building an application for a nonprofit to connect Austin's LGBTQ community with LGBTQ-affirming businesses
- Scraped data from 1,000+ Instagram accounts of businesses with Python, Jupyter Notebook, and Instaloader API
- Spearheaded development of map screen to display nearby businesses using Google Maps and Expo Location APIs

### Mr. Jan's Math Class

Sugar Land, TX

*Tutor*

*Aug 2021 – May 2022*

- Taught math and science concepts ranging from pre-algebra to college-level calculus and physics to 50+ students
- Assisted students with homework and test preparation twice a week in small-group sessions of a few students each

### Morgan Stanley

New York, NY

*JumpStart Scholar*

*Nov 2021 – Apr 2022*

- Selected as one of 160 scholars out of 1,000+ initial applicants to study entrepreneurship and investment banking
- Placed first in end-of-program case competition and featured on Morgan Stanley billboard in Times Square after selecting the best set of co-managers and passive bookrunners for Amazon's \$18.5bn investment-grade debt offering

### Cisco

Raleigh, NC

*Extern*

*Jun 2021 – Jul 2021*

- Selected as one of 150 externs out of 650+ initial applicants after both an initial application and interview process
- Designed an IoT-integrated mobile app for nursing homes, winning first place in end-of-program capstone project

## PROJECTS

### Greenthumb | *Next.js, TypeScript, Tailwind CSS, tRPC, Prisma, PostgreSQL, NextAuth.js*

Mar 2023

- Built sustainability-focused web application aiming to connect gardening aficionados through an online community
- Implemented authentication with Discord, find garden feature with Google Maps API, and blog and events pages

### When | *React Native, Expo*

Dec 2022 – Present

- Singlehandedly developed application that allows users to schedule and edit custom alarms, reminders, and events
- Integrated the above with native iOS calendar using Calendar Events API, combining three functionalities into one

### Dhaba | *React Native, Expo, Node.js, MongoDB*

Oct 2022

- Built a mobile application with React Native to pinpoint food trucks using Google Maps and Expo Location APIs
- Integrated app with REST API to allow truck owners to log in with custom credentials and update menu items

### Analysis: Which Nation Was The Best Colonizer? | *Jupyter Notebook, Pandas, Matplotlib*

Mar 2022

- Analyzed economic trends spanning over 500 years using data from peer-reviewed studies and World Bank reports
- Published article detailing the relationship between colonizers and former colonies' post-independence GDP growth