

# Rohit Shetty

- rohitrshetty03@gmail.com • (214) 289-5312
- [rohit-03.github.io](https://github.com/rohit03) • <https://www.linkedin.com/in/rohit-shetty03/>

## EDUCATION

---

**The University of Texas at Austin**, Austin, TX

May 2025

Bachelor of Science, Computer Science; Minor, Business Administration

- GPA: 3.67 (3x University Honors)
- Relevant Coursework: Machine Learning, Data Structures & Algorithms, Operating Systems, Applied Statistics & Probability

## SKILLS & AWARDS

---

- **Programming Languages:** Java, Python, C/C++, JavaScript, TypeScript, HTML, CSS, Assembly, SQL, R, Go
- **Frameworks/Tools:** NodeJS, Angular, React, Swift, Docker, Kubernetes, ROS, Linux, Git/GitHub/GitLab, Postman, AWS, PyTorch
- **Awards:** Google I/O Hackathon Winner (3rd Place), Qualcomm Innovation Challenge Semifinalist, HackMIT Qualifier

## TECHNICAL WORK EXPERIENCE

---

**The Walt Disney Company** - *Software Engineering Intern*; Orlando, FL

July 2023 - September 2023

- Developed a backend application & APIs for "Identity and Access Management", to manage access rights for 220,000 employees
- Built full stack integration using Java, AWS, DynamoDB, Javascript, and test automation to increase management efficiency by 40%
- Optimized the look-up times and identification of IAM database conflicts by saving over 50 man-hours per week

**H-E-B Digital** - *Software Engineering Intern*; San Antonio, TX

May 2022 - July 2022

- Engineered a full-stack administrative panel to manage all in-store business-actions; improved management efficiency by over 30%
- Developed a Rest API and complete backend, using MySQL, Node.js, and Java, to fetch, edit and sort 20,000+ in-store-data entries
- Deployed the application to Google Cloud Platform, utilizing Docker, and launched it to productions in over 400 stores

**Autonomous Mobile Robots, Research Initiative** - *Machine Learning Researcher*; Austin, TX

January 2022 - May 2022

- Implemented a vision pipeline for semantic segmentation of an individual's clothing, using Mask-RCNN to create distinct silhouettes
- Deployed a Robot Operating System (ROS) package (utilizing YOLO) to detect, isolate, and publish images of individuals
- Optimized training hyperparameters to correctly segment clothing articles and labels; achieved a precision of 85%
- Wrote an IEEE conference style paper summarizing findings and received special recognition from the professor

**West Coast Analytics** - *Data Science Intern*; Dallas, TX

May 2020 - August 2020

- Created statistical data models to predict the financial and social impact of the spread of the virus in 200+ geographical locations
- Distributed the application results to over 50 clinics to forecast the potential number of infected individuals and required resources

## PROJECTS

---

**CookGPT** – *Personal Project*

July 2023 - Present

- Developed a computer vision web-app that scans groceries via a trained ML model and generates recipes using Google PaLM 2
- Constructed a pipeline to identify groceries w/ an 80% precision & designed a user-friendly UI; Google Hackathon 3rd Place winner

**SolVit** – *Personal Project*

January 2021 - May 2021

- Worked alongside University Researchers from UTD & Caltech to design an armband measuring stress levels via Cortisol detection
- Prototyped a mobile app, utilizing machine learning, to analyze Cortisol data and create a personalized stress management system

**GreenCam** – *Personal Project*

August 2020 - March 2021

- Utilized Swift to build an iOS app that allows users to scan various waste items and determine in under 10 sec if they are recyclable
- Trained a prototype machine learning model, using CreatML, to identify recyclable materials with an accuracy of 70%

## LEADERSHIP & ACTIVITIES

---

**Texas Blazers** – *Official Host of The University of Texas*; Austin, TX

Fall 2022 – Present

- Serve as the university's official rep. at donor, charity, and alumni events, and mentor students at Eastside Memorial High School
- Raised and donated over \$2,000 to Casa Marinella to provide shelter and support services for displaced immigrants

**Texas Convergent (Startup Accelerator)** – Technical Program manager; Austin, TX

Fall 2021 - Spring 2022

- Upgraded UT's dining experience by presenting dining hall menus, meal-prep plans and macros in a user-friendly web application
- Lead UX, Eng, and UXR in project, and received "Best-Design" out of over 20 startups selected to be in the accelerator