ROHIT SHETTY

• rohit.shetty@utexas.edu • linkedin.com/in/rohit-shetty03 • github.com/Rohit-03

EDUCATION

The University of Texas at Austin, Austin, TX August 2021 - May 2024

Bachelor of Science, Computer Science; Minor in Business Administration

• GPA: 3.7

• Relevant Coursework: Data Structures, Computer Architecture, Operating System, Linear Algebra & Matrices, Statistics

SKILLS

Programming Languages: Java, HTML/CSS/JavaScript/TypeScript, Python, NodeJS, C, C++, SQL, R, SQL**,** Assembly, R, Swift
Frameworks and Platforms: Angular, Swift, Google Cloud Platform, Docker, Git, Figma

TECHNICAL & RESEARCH EXPERIENCE

H.E.B - *Software Engineer Intern;* San Antonio, TX May 2022 - August 2022

• Engineered a full-stack administrative panel application to manage all in-store business actions, such as inventory changes, new item creation, and authorization, and is to be used by 10,000+ Corporate Employees

• Developed a Rest API and complete backend, using MySQL, Node.js, and Java, to transform and sort over 20,000 store-data entries

• Built a multi-page user-friendly font-end, utilizing TypeScript/HTML/CSS, to display the transformed in-store business action data

• Deployed the application to Google Cloud Platform through Docker and launched it to productions in 400 stores

UT Autonomous Robotics Research - *Researcher;* Austin, TX January 2022 - May 2022

• Constructed a vision processing application to explore methods for differencing humans based on clothing

• Deployed a Robot Operating System (ROS) package (utilizing YOLO) to detect, isolate, and publish images of individuals

• Used a region convolutional neural network (RCNN) model, trained with a Clothing Co-Parsing (CCP) dataset, to identify specific articles of clothing per individual that differentiate them from others with 85% precision.

West Coast Analytics - *Data Engineer Intern;* Dallas, TX May 2020 - August 2020

• Analyzed 5,000 data sets from the early months of the Covid-19 outbreak, to map the virus's global trajectory

• Created data models to predict the financial and social impact of the spread of the virus in 200+ geographical locations

• Distributed the application to over 50 clinics to forecast the potential number of infected individuals

PROJECTS

SolVit - *Swift, Figma, AutoCAD* Spring 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

• Created a business plan and VC pitch, outlining a completed 1-year cost and revenue structure model

• Qualcomm Innovation challenge Semifinalists, placing in the top 100/1000+ projects

GreenCam - *Swift, CreateML, Python* August 2020

• Utilized Swift to develop a mobile iOS app that utilizes a machine learning model, trained with CreateML, to allow users to scan various waste items and determine, within seconds, if they are recyclable

Project Shield - *Figma, Swift, Adobe After Effects* Summer 2020

• Prototyped a mobile app that allows users, who are witnessing an act of social injustice, to directly live stream the scene to the nearest police department. Thus, helping those in authority more efficiently intervene and respond to the situation.

•Met with a Vice-President from UnitedHealth Group: Edward Sverdlin, who agreed to help further expand the project.

LEADERSHIP & COMMUNITY ACTIVITIES

Texas Convergent - *Product Manager & Engineer* August 2021 - May 2022

• Implemented a software solution to upgrade UT's dining experience by presenting dining hall menus along with meal planning and macro tracking information in a user-friendly UI

• Presented daily dining hall menus in a user-friendly design along with meal planning and macro tracking information

Flower Mound Summer STEM Camp - *Camp Counselor* Summer 2018 - Summer 2021

• Organized a Robotics curriculum and camp to teach over 120 K-8 Students in my community the fundamentals of engineering