Rohit Shetty

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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