

VARSHA NARAYANAN

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EDUCATION

The University of Texas at Austin, Austin, TX

May 2024

Bachelor of Science in Computer Science, Certificate in Applied Statistical Modeling

- GPA: 3.81; University Honors
- Coursework: Data Structures, Computer Architecture and Organization, Principles of Computer Systems, Principles of Machine Learning, Elements of Data Science

SKILLS

Languages: Advanced Java, Python; Intermediate JavaScript, HTML, CSS, C++, R; Beginner SQL

Technologies: ReactJS, NodeJS, Git, Expo, Jira, Gradle,, AWS Amplify, Figma, RStudio, R Markdown

EXPERIENCE

THE UNIVERSITY OF TEXAS AT AUSTIN, Austin, TX

Oct 2022 – Present

Undergraduate Research Assistant

- Implementing automated email feature using ReactJS, Firebase, and AWS for website to administer Digit Symbol Substitution Test for cognitive impairment used on 150 patients at Dell Medical School
- Improved user interface for machine learning project funded by National Science Foundation that uses voice recordings to detect dementia

ELLIPSIS HEALTH, San Francisco, CA

Jul 2022 – Oct 2022

Software Engineering Intern

- Developed full-stack admin panel feature using AWS Cognito and AWS Amplify to optimize user management for company's data management website with over 50 users from machine learning and engineering teams
- Created user interface with ReactJS; built back end using NodeJS Express Framework and AWS Redshift database
- Collaborated with engineers in an agile/scrum manner using Jira and participated in daily stand-ups

YAGNA IQ, Plano, TX

Jun 2022 – Aug 2022

Test Engineer Intern

- Conducted manual and automatic testing using BurpSuite to expose security weaknesses of firm's sales platform
- Identified security issue in CAPTCHA and gained knowledge in various code injection techniques

TEXAS CONVERGENT, Austin, TX

Jan 2021 – May 2021

Build Team Member

- Built front end for mobile app prototype, Mindbloom that encourages users to grow their digital garden by completing mental health activities; Stack: HTML, CSS, JavaScript, React Native, Expo, and NodeJS
- Designed wireframes using Figma and conducted user interviews to identify improvements
- Achieved Best Overall in Design, Business, and Tech out of 20 projects at Texas Convergent Demo Day Spring 2021

LEADERSHIP & COMMUNITY INVOLVEMENT

LONGHORN WELLNESS CENTER, Austin, TX

Aug 2022 – Present

Longhorn Wellness Peer Educator

- Present mental/physical health workshops to classrooms of 20+ students across campus while building public speaking skills
- Collaborate with other students and Provost's Office to propose well-being Canvas feature to promote stress management

UT COMPUTER SCIENCE DEPARTMENT, Austin, TX

Aug 2022 – Present

UT CS Ambassador

- Volunteer time to meet with prospective students and their families to discuss the CS department at UT Austin
- Facilitate departmental tours for groups of 15+ people while answering questions about UTCS

UTCS ROADSHOW, Austin, TX

Apr 2022 – Present

Marketing Officer

- Design t-shirts, social media posts, and flyers to reach over 2,000 students for organization that introduces K-12 students to computer science
- Present engaging information about computer science and the opportunities available to a range of students from elementary to high school

STUDENTS MAKING IMPACTS THROUGH LOVE AND EMPATHY (SMILE), Austin, TX

Aug 2021 – May 2022

Co-Officer

- Improved user experience for SMILE website to allow for easy access to information about upcoming events
- Contacted 30+ organizations/companies to fund organization's annual Brave the Shave, where participants shave their heads in solidarity with pediatric cancer patients