

Himanshu Reddy

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EDUCATION

The University of Texas at Austin, Austin, TX
Bachelor of Science, Computer Science, GPA: 4.0

May 2023

Relevant Coursework: Data Structures, Operating Systems, Bioinformatics

SKILLS

- Proficient In: JavaScript, React, React Native, Java
- Exposure To: TypeScript, Express, GraphQL, MongoDB, Python, HTML, CSS, C/C++, R, RStudio, Bash Scripting, Figma

WORK EXPERIENCE

Nutiliti, Austin, TX

May 2021 - August 2021

Full-Stack Software Engineering Intern

- Used the existing codebase for the company's iOS app, written in React Native, to create an Android version to expand the total addressable market of Nutiliti's services.
- Implemented new features for the mobile and web app front ends as needed, such as adding a survey page to the end of the mobile app sign-up flow.
- Used the Mailchimp API to add new users to the mailing list automatically.
- Connected web app survey to Nutiliti's MongoDB database to log survey answers.
- Built mockups in Figma to prototype proposed features for the web and mobile applications.
- Designed a new sign-up flow in Figma for a potential new demographic of app users.
- Skills used: JavaScript & TypeScript, React, React Native, Express, GraphQL, MongoDB, Figma

RESEARCH EXPERIENCE

Big Data in Biology Research Stream, Austin, TX

August 2021 – Present

Undergraduate Researcher

- Analyzed whole exome sequencing data of multiple myeloma cell lines to better understand the role of copy number variants in cancer.
- Developed data process pipelines using bash scripting to generate copy number variant predictions.
- Read and presented scientific articles to help class expand scientific knowledge.
- Invited to present at Livestrong Cancer Institute Research Retreat to showcase research results.
- Skills used: R, RStudio, Bash Scripting

NOTABLE PROJECTS

- **Plant Waterer:** Built an automated plant watering system with a Raspberry Pi and various hardware components to read the soil moisture, water the plant, and route information to a webpage created with React and Material-UI.
- **Stock Dashboard:** Created a stock dashboard using React and Recharts to graph and display stock data for inputted ticker symbols.
- **Euler Method Grapher:** Developed a JavaScript-based tool to solve and approximate differential equations.