Manav Arora

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EDUCATION

The University of Texas at Austin   Austin, TX
Bachelor of Science-BS, Electrical and Computer Engineering   *Aug 2019 – May 2023*
- GPA: 3.53/4.0 (University Honors)
- Relevant coursework: Linear Systems and Signals, Circuit Theory, Software Design and Implementation 1 and 2, Linear Algebra, Discrete Math, Probability and Random Process, Digital Logic and Design, Competitive Programming, Algorithms, Digital Signal Processing, Concurrent and Distributed Systems, Data Science Lab

EXPERIENCE

Software Engineer I   Oct 2023 – Present
AT&T   *Plano , TX*
- Initiated the development of automatic processes using Python and Anaconda to streamline data collection tasks.
- Utilized AIOHTTP for asynchronous data extraction from Atoll, gathering cell site metrics such as path loss and signal strength to boost data-driven decision accuracy.

Software Development Engineer Intern   July 2023 – Sep 2023
GoLinks (YC '19)   *San Jose, CA (Remote)*
- Actively contributed to a series of front-end tasks within GoSearch, an internal search tool designed to enhance users' access to company knowledge. Skillfully tackled and resolved 30+ bug tickets while seamlessly integrating 10+ new features using React.
- Redesigned answers, an existing feature on GoSearch, with new functionality. Developed intuitive comment features, such as the ability to add, edit, delete, and pin comments in React. Enhanced the UI using Bootstrap, and introduced an up-voting system to foster meaningful user interactions.
- Designed 3 tables in Sequel ACE and established constraints and formulated foreign key pairs to efficiently manage comments, pinned comments, and upvotes.

Software Development Engineer Intern (Homepage CX)   May 2022 – Aug 2022
Amazon   *Austin, TX*
- Engineered and executed the development of a dynamic color-swatch component utilizing Typescript and CSS resulting in an 20% increase in user engagement. This component seamlessly presented clickable, intuitive circular elements, showcasing diverse color choices for specific products
- Leveraged internal API sub resources to extract pertinent product details related to product variations. This data was harnessed to craft a comprehensive color-swatch view-model, establishing a foundational template for forthcoming Homepage designs that incorporate the color-swatch feature
- Crafted 10+ unit tests using Jest, ensuring a 90% coverage rate for the component, affirming its readiness for production deployment and reducing potential bug-related down-times by 25%

PROJECTS

PrivacyCheck | *JavaScript, React, DynamoDB*   May 2023
- Drove the advancement of an ongoing project at the University of Texas, focused on bolstering user understanding of accepted privacy policies
- Led the creation of a dynamic DynamoDB cache, designed as a responsive repository. It efficiently stored and granted access to privacy scores for the top 100 frequently visited internet sites which significantly sped up user interactions while enhancing their understanding of privacy implications

Interview GPT | *JavaScript, React*   May 2023
- Leveraged ChatGPT and Whisper to build a web application that helps users practice for technical interviews
- Designed a user interface to model a code editor using the AceEditor library from React and designed a compiler using Rapid API's Judge0

TECHNICAL SKILLS

Languages: Proficient - Java, Python; Intermediate - MATLAB, HTML/CSS, JavaScript, PHP, TypeScript; Beginner - Jest
Frameworks: React, Node.js, Flask, JUnit, DynamoDB, MongoDB, LangChain
Developer Tools: Postman, Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Sequel Ace
Libraries: pandas, Anaconda, NumPy, Matplotlib, AIOHTTP, MaterialUI, Tailwind CSS, LangChain, BootStrap CSS