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)

TECHNICAL SKILLS

Languages: Java, Python, PHP, JavaScript, TypeScript, HTML, CSS, Swift
Frameworks: React, Next, Node, Flask, MongoDB, Express, LangChain
Tools: Git, Docker, AWS, MATLAB, Postman, Sequel Ace, Xcode, Intellij, Mirantis, Splunk, Jenkins

EXPERIENCE

Software Engineer — May 2025 – Present
Visa — *Austin , TX*
- Developed and maintained backend services in Java enabling secure session tokens and passkeys for users accessing Visa's online payment portals, ensuring robust authentication and identity management.
- Engineered OTP (one-time password) flow validation logic to guarantee accurate credential issuance and secure user-session linkage in the authentication pipeline

Software Engineer — Oct 2023 – May 2025
AT&T — *Plano , TX*
- Automated network planning tasks by utilizing the Forsk NAOS API to interact with ATOLL, an RF network designing tool, saving engineers an estimated 15 hours per week by eliminating manual processes.
- Developed a Tkinter-based GUI for an internal executable, enabling users to submit and monitor batches of CSV files to a network planning optimization service.
- Leveraged Pywinauto to automate the critical step of calculating remote gains in ATOLL, a function not supported by the NAOS API, ensuring an accurate network planning automation despite API limitations.

Software Development Engineer Intern — July 2023 – Sep 2023
GoLinks (YC '19) — *San Jose, CA*
- Enhanced GoSearch, an internal search tool, by resolving 30+ bug tickets and integrating 10+ new features using React and Bootstrap.
- Redesigned answers, an existing feature of GoSearch, by adding intuitive comment features, like the ability to add, edit, delete, up-vote, and pin comments.
- Devised SQL schemas to efficiently manage comments, pinned comments, and upvotes for the updated answers feature.

Software Development Engineer Intern — May 2022 – Aug 2022
Amazon — *Austin, TX*
- Developed a dynamic color-swatch component for Amazon Homepage using Typescript and CSS, which was useful in showcasing diverse color choices for specific products.
- Created a comprehensive color-swatch view-model leveraging internal API sub-resources for product variations, which served as template for future Amazon Homepage designs that required a color-swatch feature.
- Implemented 10+ unit tests using Jest, ensuring a 90% coverage rate for the component, affirming its readiness for production deployment.

PROJECTS

PrivacyCheck | *JavaScript, React, DynamoDB*
- 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, that efficiently stored and granted access to privacy scores for the top 100 frequently visited internet sites.

Travel Itinerary Generator | *Flask, React, OpenAI's GPT-3.5, Google Custom Search API*
- Developed a web application that generates travel itineraries based on user input, providing detailed travel plans using AI and up-to-date information.
- Implemented the backend with Flask, integrating OpenAI's GPT-3.5 for itinerary generation and Google's Custom Search API for fetching recent events and places.