

Naimish Maniya

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EDUCATION

Arizona State University

August 2022 - May 2026

Bachelor of Science in Computer Science | Minor in Business

Related Coursework: Software Engineering, Operating Systems, Principles of Programming Languages, Data Structures & Algorithms, Object-Oriented Programming, Human Computer Interaction

EXPERIENCE

Software Engineer Intern

May 2025 – Aug 2025

University Of Phoenix

Phoenix, AZ

- Engineered robust and responsive components using **Next.js** and **JavaScript** for **Adobe AEM**, ensuring compliance with Americans with Disabilities Act (**ADA**) standards and implementing **SEO best practices**.
- Optimized front-end performance by refactoring legacy features from **JavaScript** to **TypeScript** in React.js, reducing page load times by **30%** and improving responsiveness across devices.
- Created a new site search component in **React.js**, with pagination and category filtering features.
- Developed a **Node.js** microservice for content delivery with **REST API** architecture, serving **80,000+** learners and faculty, and scaled it to achieve **99.9%** uptime across **EdTech** platforms.
- Dockerized** and deployed the service using **AWS ECS**, with automated **CI/CD** via CodePipeline and **S3** integration for scalable storage.

Software Engineer Intern

April 2022 – July 2022

VK Diamonds

Mumbai, India

- Created catalog pages and a reporting dashboard utilizing **React.js** and **Sass**, enhancing product discovery and reducing production delays by **15%**.
- Initiated automation of routine quality assessment tasks leveraging **Python**, saving **10+** hours/week in manual logging.

PROJECTS

Ask An APL: AI Powered Bot for Agile Support | *Python, Flask, AWS Bedrock, RAG, LangChain*

August 2025

- Developed an AI agent using **Flask** and **OpenAI API** to automate responses to Manager FAQs, improving team efficiency and decreasing manual support overhead.
- Architected a secure, scalable system backed by a **curated knowledge base**, leveraging **AWS Bedrock** for model hosting with sensitive query detection and automated escalation for enterprise readiness.
- Delivered a functional product in under **72** hours with prompt fallback logic and configurable Q&A handling, earning **First Place Award** at Intern Style Hackathon 2025.

Stars for All | *React, Tailwind, Voice API, Accessibility APIs*

June 2025

- Designed an accessible stargazing platform with audio descriptions for celestial bodies, increasing engagement among low-vision users by **50%**, promoting **inclusive design**.
- Enabled voice navigation and keyboard shortcuts, decreasing navigation time for screen reader users by **40%** compared to traditional star maps.
- Conducted iterative accessibility audits (**WAVE, VoiceOver**), raising compliance scores from **65% → 95%**.

Visualizing Fabric Of Ohio City | *Java, Spring Boot, React, PostgreSQL, D3.js*

December 2024

- Engineered a fullstack platform to analyze Ohio city's demographic and business trends, handling **22GB+** data efficiently.
- Cut database query time by **94%** (15s to 800ms) via **PostgreSQL** query and **Spring Boot** backend API optimization.
- Crafted dashboards using React and D3.js to deliver real time visualizations of citizen and business distributions.

Programming Language Compiler | *C++, CFG, Lexical Analysis*

May 2025

- Built a recursive descent parser & semantic analyzer for a custom polynomial language.
- Increased parsing efficiency **2x** by computing nullable, FIRST/FOLLOW sets and optimizing grammar transformations.
- Compiled control flow into **50+** linked instruction nodes and executed with a custom interpreter.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript(ES6+), TypeScript, SQL, C/C++

Technologies: AEM, Node.js, React.js, Next.js, D3.js, Tailwind CSS, Sass, Spring Boot, Flask

Developer Tools: Git, AWS, Docker, Jira, MATLAB, Visual Studio Code, IntelliJ