# Nash (Naimish) Maniya

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## EDUCATION

**Bachelor of Science in Computer Science** | Arizona State University, USA                    Expected - May 2026
**Related Coursework:** Database Management, Data Visualization, Software QA and Testing, Software Engineering, Operating Systems, Human Computer Interaction, Data Structures and Algorithms

## WORK EXPERIENCE

**University of Phoenix**                                                                              May 2025 - August 2025
*Software Engineer Intern*                                                                                        *Phoenix, AZ*

- Scaled **Node.js** microservice with **REST APIs** to serve **80,000+** learners, with **99.9%** uptime across EdTech platforms.
- Automated **CI/CD** with **AWS ECS**, CodePipeline & **S3**, enabling zero-downtime deployments for content delivery.
- Shipped ADA-compliant Adobe AEM components with **Next.js** & **JavaScript**, which improved SEO visibility by **30%**
- Migrated **React.js** frontend to **TypeScript**, reducing page load times by **45%** and boosting responsiveness across devices.

**VK Diamonds**                                                                                        April 2022 - July 2022
*Software Engineer Intern*                                                                                            *Remote*

- Launched **React.js** catalog/reporting dashboards, accelerating product discovery and cutting production delays by **15%**.
- Initiated automation of quality assessment tasks leveraging **Python**, saving **10+** hours/week in manual logging.

## TECHNICAL SKILLS

**Languages**: Java, Python, JavaScript, TypeScript, C/C++
**Web Development**: React.js, Next.js, Spring Boot, Flask, Node.js, D3.js, HTML, Tailwind CSS
**Machine Learning**: PyTorch, TensorFlow, NumPy, Pandas, LangChain, RAG
**Tools and Databases**: Git, AWS, Google Cloud Platform (GCP), Docker, JIRA, PostgreSQL, MongoDB, MySQL

## PROJECTS

**Qualcomm – AI-Powered Financial Insights Engine (Capstone Project)** | *Python, Java, AI100 SDK*

- Designed and implemented backend services in **Java** for a full-stack AI insights platform, integrating financial data APIs and LLM sentiment analysis to generate predictive outlooks for **1,500+** companies.
- Deployed **microservice** pipelines that processed **1,000+** financial articles/week, reducing data delivery latency by **70%** compared to manual workflows.
- Optimized LLM inference using **Qualcomm AI100**, delivering **2.5×** faster summarization throughput on large datasets.

**Ask An APL - Agile Support Bot (Hackathon Winner)** | *Python, Flask, RAG, LangChain*

- Engineered AI FAQ bot with **Flask** & **OpenAI API**, reducing manager response time by **70%** and eliminating **15+** hrs/week of manual support.
- Implemented role-based access and query detection using **AWS IAM**, which resulted in a **100%** reduction in unauthorized queries and automated **200+** secure escalation workflows per week.

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

- Engineered a fullstack platform to analyze a city's demographic and business trends, handling **22GB+** data.
- Cut database query time by **94%** (15s to 800ms) via **MySQL** and **Spring Boot** backend API optimization.
- Crafted dashboards using **React** and **D3.js** to delivering insights to city planners and researchers, enabling faster analysis of citizen/business distribution trends for urban development decisions.

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

- Designed an accessible **React/Tailwind** app with ARIA live regions and audio descriptions of celestial bodies, increasing engagement among low-vision users by **50%**.
- Enabled voice navigation and shortcuts, reducing screen-reader user navigation time by **40%**.
- Conducted iterative accessibility audits **(WAVE, VoiceOver)**, raising compliance scores from **65% to 95%**.

**Operating Systems Kernel** | *C, C++, Linux*

- Designed a **custom linux kernel** using system calls, kernel modules, memory allocators, and thread schedulers, which reduced boot and test time by **50%** in a virtual Ubuntu environment.
- Implemented advanced **OS** features including virtual memory management, ELF binary execution, multicore scheduling, and syscall handling, which enabled user-space programs to run efficiently on **x86_64**.