

Anish Parepalli

704-920-9107 | [Email](#) | [Linkedin](#) | [Github](#)

EDUCATION

University of North Carolina Chapel Hill

Graduating December 2026

Bachelor of Science, Computer Science

GPA: 3.60/4.00

- Relevant Coursework: Data Structures & Algorithms, Database Systems, Probability & Statistics, Foundations of Software Engineering, Linear Algebra

SKILLS

Languages: Python, Java, Angular, TypeScript, SQL

Developer Tools & Frameworks: MySQL, AWS Lambda, AWS Aurora, Kubernetes, Docker, Firebase, Jira

Concepts: Statistical Analysis, Database Management, Data Modeling, REST APIs

Interests: Data Analytics, Hackathons, Fintech, Soccer, Taekwondo

EXPERIENCE

The Vanguard Group

May 2025 – Aug. 2025

Software Engineering Intern

- Built an internal triage tool for **Vanguard Personalized Advice** in **Python** and **Typescript** to automate the assignment of portfolio management errors to **Jira** tickets to reduce manual assignment time by **80%**.
- Integrated **JIRA API** and used **AWS Lambdas** and **Amazon Aurora** to enable real-time error tracking, ticket creation, and team-based routing, replacing a static error table with a dynamic, scalable table and creating a workflow.

Computer Science for Social Good

Aug. 2023 – Aug. 2024

Software Engineer Intern

- Improved data management efficiency by developing a Filter-UI using **Python**, **SQL**, and **React**, increasing record retrieval speed by 40%.
- **Automated data-driven user onboarding processes** with **Firebase**, significantly reducing onboarding time by 60%.
- Conducted **thorough code reviews** and **cross-functional team meetings** to enhance data quality and streamline operational processes.

UNC School of Medicine

Jul. 2023 – Aug. 2024

Technical Intern

- **Resolved 100+ technical issues within 24 hours for 98%** of cases, by providing prompt and effective technical support to users.
- Developed responsive, **data-driven web applications**, **effectively interpreting user requests** and translating them into actionable improvements.

UNC School of Biology

Jul. 2022 – May 2023

Technical Support Analyst

- Managed **Active Directory databases**, ensuring seamless security management and efficient user access.
- Extracted insights from **support data**, driving a **20% increase in workflow efficiency** through optimized technical system setups.
- **Increased employee workflow efficiency by 20%** by spearheading the efficient setup of desktop and laptop systems, installing essential software like Microsoft Office, and establishing network connections.

PROJECTS

The Pastebin + URL Shortener | [PasteBin + URL Shortener](#)

- Built a robust backend using **SQL**, **Python**, and **RESTful APIs** to handle **data storage and retrieval**.
- Deployed on **Kubernetes OKD**, enabling seamless **data management** through advanced cluster management practices.
- Designed and implemented a **dynamic frontend with Angular and TypeScript**, providing users with effective data visualization and accessibility.