

ANISH PATEL

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Education

University of North Carolina at Chapel Hill

Chapel Hill, NC

B.S. Computer Science, B.S. Statistics and Analytics

Expected May 2028

- **GPA: 3.75 / 4.0**
- **Clubs/Activities:** Kappa Theta Pi, App Team Carolina (**Swift/iOS** development bootcamp), CS + Social Good
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Systems Fundamentals, Discrete Mathematics, Foundations of Programming

Experience

Sports Media Inc.

Remote

Software Engineering Intern

June 2025 – August 2025

- Designed and built a token-based authentication service in **Python** and **Java**, increasing login success rate by **30%** and reducing reported auth issues by **25%**.
- Improved user experience by reducing page load latency by **1.2s**, optimizing **client-server API** calls and shipping **mobile-first responsive UI** across the platform.
- Delivered features to **5,000+ users** by collaborating with a **5-engineer team** in a fast-paced **Agile** environment using **GitHub**.

North Carolina A&T State University

Greensboro, NC

Research Intern

August 2023 – May 2024

- Achieved **95%+ classification accuracy** detecting CAN bus cyberattacks by implementing and evaluating **5+ ML models** (Random Forest, KNN, SVM, Isolation Forest) in **Python, Pandas**, and **scikit-learn**.
- Boosted detection performance by **20%** by engineering data modeling, validation, and processing pipelines (preprocessing, feature engineering, cross-validation) on automotive sensor data.
- Co-authored a **peer-reviewed publication** and presented findings at the **2024 icABCD Conference** on automotive cybersecurity.

UNC School of Dentistry

Chapel Hill, NC

Computer Support Technician

September 2024 – May 2025

- Resolved connectivity and configuration issues for **150+ faculty, staff, and students** at a **90% first-contact resolution rate**.
- Cut new-user downtime by **35%** by debugging and executing **100+ hardware/software tasks** including PC setup, re-imaging, and secure data transfers.

Projects

Praxis | *React, Vite, Node.js, Express, Google Gemini, Google Vertex AI, GitLab API, Slack*

- Engineered an **AI-native incident-response pipeline** (**Node.js/Express, React/Vite**) that auto-triages server crashes.
- Orchestrated **Google Vertex AI** agents to analyze logs and auto-generate **GitLab** patch and rollback merge requests.
- Built a **human-in-the-loop Slack approval flow** enabling one-click deployment, cutting simulated **MTTR**.

KarvBill | *Python, AWS (Textract, Elastic Beanstalk, S3), Pandas, Machine Learning*

- Architected a **Pandas** and **AWS Textract** pipeline to parse and normalize itemized medical bills across claim formats.
- Surfaced pricing discrepancies and duplicate charges via **ML and rule-driven validation** on structured claim data.
- Deployed backend services on **AWS Elastic Beanstalk** with **S3** storage and **CI/CD** for scalable request handling.

SideLine | *React, Node.js, WebSockets, Python, PostgreSQL*

- Engineered a **real-time NBA analytics dashboard** aggregating live data from **3+ external APIs** over **WebSockets**.
- Built a **Python** pipeline to normalize and store historical data in **PostgreSQL**, tracking line movement across **1,200+ games**.
- Implemented a **prop-bet screener** matching live player stats against sportsbook lines to surface favorable bets.

Languages & Technologies

Languages: Java, Swift, C++, C, Python, JavaScript, TypeScript, SQL, Go, HTML5/CSS

Frameworks & Web: Node.js, Express.js, React, Vite, Tailwind, Flask

Backend, APIs & Data: REST API design, WebSockets, PostgreSQL, Pandas, scikit-learn, PyTorch

Cloud & Tools: AWS, Google Vertex AI, Docker, Git/GitHub, GitLab, Unix/Linux