

ANISH PATEL

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Education

University of North Carolina at Chapel Hill

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

Chapel Hill, NC

Aug 2024 - May 2028

- **GPA: 3.7 / 4.0**
- **Clubs/Activities:** Kappa Theta Pi, CS + Social Good, Climbing Club
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Systems Fundamentals, Discrete Mathematics, Foundations of Programming
- **Honors and Awards:** Dean's List: Fall '24, Spring '25, Fall '25

Experience

Application Development Intern

May 2026 – August 2026

apexanalytix

Greensboro, NC

- Built a QA automation suite in Python and Playwright that reduced a 2-hour manual regression cycle to **17 minutes**, an **~85% cut** in test time.
- Adapted the framework across **5 Fortune 500 client portals**, extending automated coverage to distinct enterprise environments and configurations.
- Scaled the tooling to **200+ employees**, replacing repetitive manual QA workflows and standardizing test execution across teams.

Software Engineering Intern

June 2025 – August 2025

Sports Media Inc.

Remote

- 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.

Research Intern

August 2023 – May 2024

North Carolina A&T State University

Greensboro, NC

- 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.

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: Python, Java, Swift, C++, C, 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, Artificial Intelligence