

# Harsh Naik

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## EDUCATION

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### Rutgers University-New Brunswick

May 2025

Bachelors in Computer Science, Minor in Psychology

Relevant Courses: Data Structures, Database Management, Computer Architecture, Software Methodology, Adv. Algorithms, Discrete Mathematics

## EXPERIENCE

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### PURE Insurance

June 2025 – Present

*Technology Analyst*

White Plains, NY

- Contributed to **Canada Auto Expansion**, supporting systems used by **10,000+ underwriters / brokers** in production.
- Collaborated in **Agile(Scrum)** teams across business analysis, QA, and production support within a rotational SDLC program.
- Developed **SQL logic** driving **real-time UI validation** for unresolved underwriting requirements prior to policy binding.
- Resolved **30+ integration and production issues** improving system reliability for underwriting workflows.
- Supported **4+ production releases**, validating deployments and assisting in post-release issue resolution across systems
- Collaborated with business stakeholders, QA, and senior SWEs to define requirements and reduce downstream rework.
- Worked across multiple integrated systems to trace data flow and diagnose failures in end-to-end underwriting processes.
- Analyzed underwriting workflows to identify edge cases and ensure accurate validation logic across policy lifecycle stages

### HP Infosystems

Jan. 2023 – Aug. 2023

*Software Engineer Intern*

Edison, NJ

- Developed and maintained public health software systems that supported disease tracking, data management, and analysis, impacting **100,000+** data entries and ensuring accurate, real-time data processing for the NYC Department of Health
- Leveraged Python, Java, and SQL, achieving **30%** faster data processing speeds by optimizing algorithms

## PROJECTS (to rework)

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### Poker Probability Calculator | Python, Flask, JavaScript, HTML, CSS

Feb. 2025 - April 2025

- Created a Flask app, enabling users to input poker hands to calculate win probabilities with response times under **200ms**
- Implemented probability calculations with the treys library, and handled **10,000** simulations per second for rapid results
- Developed a responsive front-end achieving seamless updates without page reloads and enhancing user interaction by **30%**
- Added an interactive hand history feature that allows users to save previous calculations, promoting user engagement

### Hospital Clinic Manager | Java, JavaFX, SQL

Nov. 2024 - Dec. 2024

- Architected a software solution to streamline the scheduling and management of doctors, minimizing administrative errors
- Refined SQL database use for robust medical information management, enhancing data retrieval efficiency by **30%**
- Constructed an interface using JavaFX, allowing efficient management of patient records, appointments, and billing
- Executed automated report generation for patient summaries and appointment schedules, reducing workload by **25%**

### TuesdayBot | Python, Twython, and Twitter's API

April 2022 - June 2022

- Automated the posting process by developing a Twitter bot that posts a picture and text update each Tuesday
- Demonstrated expertise in API integration, resulting in a **75%** increase in engagement including 1000+ followers and RTs

## LEADERSHIP & INVOLVEMENT

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### Blueprint Backend Software Engineering Fellowship - New Brunswick, NJ

Jan. 2024 - April 2024

- Designed projects using Python and SQL and enhanced team collaboration through proficient use of Git Version Control
- Built a functional log-in application using socket programming to deepen understanding of server/client architectures
- Improved SQLite queries to boost the application's backend performance, reducing data retrieval time by **30%**

### Alpha Phi Omega National Service Fraternity - New Brunswick, NJ

Sept. 2022 – April 2024

*New Member President, Director of Recruitment*

- Led weekly meetings to ensure **10+** officer's accountability and resolved conflicts, strengthening organizational cohesion
- Directed recruitment efforts, organizing **6+** outreach events that contributed to a **20%** increase in fraternity membership
- Dedicated over **200 hours** to community service initiatives including food banks and fundraising for less fortunate children

## SKILLS & CERTIFICATIONS

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**Skills:** Java, Python, SQL, HTML, CSS, Javascript, Git,

**Certifications:** AWS Cloud Practitioner, OneShield Training, Agile/Scrum Training,