

Aryaman Patel

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Education

Bachelor of Science in Computer Science **Rutgers University – New Brunswick** **Aug 2020 – Current**

- Cumulative GPA: 3.4 / 4.0 | Dean's List: Spring 2022 – Fall 2023
- Graduating May 2024
- Minor in Entrepreneurship

Work Experience

Junior Developer Intern **Selfihealth, Inc.** **Sept 2023 – Current**

- Executed a significant graphic overhaul on the app's homepage, shifting from grayscale to vibrant UI, and Introduced the integration of avatars for user profiles, enhancing the app's visual appeal and interactivity.
- Enhanced user experience by overhauling the landing screen with updated logos and a unified design language, and independently improved algorithmic efficiency for match and group suggestions, ensuring more accurate and user-friendly interactions.
- Resolved critical backend issues by updating API calls and incorporating MySQL database using Docker, with adjustments to more than 45 frontend JavaScript files for database compatibility, ensuring smooth application functionality and user data integrity.
- Played a key role in application deployment and maintenance, focusing on Android/iOS development, updating SDKs, and debugging frontend glitches, contributing to the app's uninterrupted performance and user satisfaction.

Building Operations Manager **Rutgers Student Center and Activities** **Jan 2022 – Current**

- Streamlined the coordination of more than 150 monthly events, achieving around 95% attendee satisfaction rate, while fostering effective communication and teamwork among student staff. Held a leadership role at Rutgers University.
- Implemented efficient operational procedures, optimizing event setup timelines and customer service delivery; collaborated closely with the supervisor and colleagues to ensure prompt execution

Skills

Java | Python | JavaScript | React | HTML | CSS | SQL | XML | C | API | Git | Amazon Web Services | Visual Studio | Android Studio | Eclipse | PyCharm | DBMS | Figma | R | Photoshop | Debugging | Code Harmonization

Projects

SecureLink HTTP Server **University Project** **Oct 2023 – Dec 2023**

- Engineered a Python HTTP server handling secure user authentication with SHA-256 hashed passwords, session management with unique timed sessions, and robust GET/POST request processing for file access and user login.
- Implemented socket programming for network communication, designed seamless file retrieval for authenticated users, and integrated comprehensive logging for activity tracking and server performance monitoring.

JP Morgan Chase & Co Internship Project **Virtual Experience Program** **May 2023 – Jul 2023**

- Completed a comprehensive software engineering program simulating the role of an entry-level software engineer.
- Developed hands-on expertise in Java programming, Git workflows, object-oriented programming, and unit testing.
- Successfully created a "RewardValue" class, enabling users with the ability to convert cash values to airline miles

Intuitive Photo Library Application **University Project** **Mar 2023 – Apr 2023**

- Ported FX-based project to Android, introduced features like album management, tag-based searching, and soothing slideshow experience. Developed over 20 application screens utilizing JavaFX.
- Designed an efficient home screen for seamless album and photo data retrieval, optimizing runtime for the Android application. Collaborated using Git/Bitbucket for version control.

Airbnb Arbitrage Finder **Personal Entrepreneurial Project** **Dec 2022 – Mar 2023**

- Created a tool to scrape Airbnb data, identify rental arbitrage opportunities, and generate a single Excel report which shortlist competitive listings.
- Incorporated a feature for calculating occupancy rates and generating comprehensive Excel files that list the best-reviewed Airbnb properties with an occupancy rate of over 50% in a specific area.
- Enabled users to make informed investment decisions in Airbnb rental properties by estimating the earning potential of a particular bedroom house based on its year-round average occupancy rate. Making an Airbnb investment 100% successful.