

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
- Anticipated Graduation Date: 12th May 2024
- Minor in Entrepreneurship

Certification

AWS Certified Cloud Practitioner Credentials: 4JL3KWB51411M38 **Jan 2024 – Jan 2027**

Work Experience

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

- Revamped app's homepage with vibrant user interface matching the companies color code and introduced avatars in addition to profile pictures for user profiles, enhancing visual appeal and interactivity.
- Redesigned signup screen and profile details, transitioning from checkbox style selections to modern selectable pills, addressing callback issues and incorporating user feedback for improved usability.
- Independently improved algorithmic efficiency for match and group suggestions, ensuring more accurate and personalized suggestions for increased user engagement.
- Resolved critical backend issues through API updates, MySQL database integration using Dockers, and frontend JavaScript adjustments. Ensured smooth functionality and data integrity for enhanced user experience.
- Collaborated on a healthcare startup's iOS/Android app, enhancing 150+ JavaScript pages, utilizing Git for version control, and gaining practical AWS experience.

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

- Streamlined the coordination of more than 150 monthly events, holding a leadership role and achieving around 95% attendee satisfaction rate, while fostering effective communication and teamwork among student staff.
- 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 | Docker | Eclipse | Apache Tomcat | PyCharm | DBMS | Figma | R | Maven | JSP | JSON | Photoshop | Debugging

Projects

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

- Engineered a secure Python HTTP server with SHA-256 hashed password authentication, timed session management, and robust GET/POST request handling for file access and user login, utilizing socket programming, seamless file retrieval, and comprehensive logging.

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.
- Introduced 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 identify locations with short-term rental opportunities and generate a single Excel report which shortlist competitive listings. Incorporated features 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 short term rental properties by estimating the earning potential of a particular bedroom house based on its year-round average occupancy rate.