

Aryaman Patel

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Education

Rutgers University
Major: Bachelors of Science (BS) in **Computer Science**
Minor: Entrepreneurship

New Brunswick, NJ
Aug 2020 – May 2024
GPA: 3.4 / 4.0

Skills

Python, Java, JavaScript, HTML, CSS, SQL, R, PHP, C, React-Native, Angular.js, Android SDK, React.js, Next.js, Node.js, Git, AWS, MySQL, Docker, UML, XML, Figma.

Certifications

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

Work Experience

Bandhealth, Inc. – Hoboken, NJ
Sept 2023 – May 2024
Junior Software Developer
JavaScript, React-Native, PHP, AWS, Docker

- Led the rebranding of the Selfihealth application to Bandhealth, redesigning 100+ UI elements, icons, and graphics to align with the new brand identity, resulting in more than 25% increase in user engagement and a more cohesive user experience.
- Implemented vibrant avatars and enhanced profile picture features on the app's homepage, adhering to company color codes, which increased homepage retention rates by 10%.
- Revamped the signup process and profile detail sections by transitioning from checkbox-style selections to modern selectable pills, addressing callback issues, and incorporating user feedback, which improved usability and reduced signup drop-off rates by 50%.
- Enhanced algorithmic efficiency for match and group suggestions, leading to an improvement in the accuracy of personalized recommendations.

Bluesap Solutions – New York, NY
May 2023 – Aug 2023
Full-Stack Developer Intern
Java, Python, JavaScript, Angular.js, SQL

- Developed RESTful APIs with Python and Java for backend data processing, user authentication, and secure storage, integrated with frontend features like chat and profiles.
- Collaborated on the development of on mobile and web apps, using Python for backend processing and Angular.js for data visualization, adding real-time notifications and user interactions.

Projects

Face And Digit Classification
Python, Matplotlib, NumPy

- Designed and implemented perceptron and two-layer neural network classifiers for face and digit recognition, incorporating feature extraction and data analysis.
- Analyzed and compared training times and prediction errors, producing a report that highlights the effectiveness and learning curves of both algorithms.

SecureLink HTTP Server
Python, Socket Programming, SHA-256, Logging

- Engineered a Python-based HTTP server for file access and user login using SHA-256 hashed passwords, session management with timed tokens, and efficient GET/POST request handling.
- Implemented socket programming for network communication and integrated logging for activity tracking and performance monitoring.

Intuitive Photo Library Application
JavaFX, HTML, CSS, JavaScript, UML, XML

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

Leadership & Team Collaboration

- Rutgers University Student Center and Activities
Building Operations Manager
- Rutgers University Data Science Club
Co-Chair