

# Josh Patra

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## EDUCATION

**Rutgers, The State University of New Jersey**

*Bachelor of Arts, Double Major: Computer Science and Philosophy*

**New Brunswick, NJ**

Expected May 2026

GPA: 3.7

Dean's List Student

Relevant Courses: Computer Security, Computer Architecture, Systems Programming, Data Structures, Calculus, Design and Analysis of Computer Algorithms, Discrete Mathematics, Epistemology, Ethical Theory

## WORK & LEADERSHIP EXPERIENCE

**Bergen's Promise**

*Data Analysis/Quality Compliance intern*

**Hackensack, NJ**

Jun 2024 – Aug 2024

- Working with large Datasets using SQL/Python
- Finding patterns in healthcare information
- Interacting with patients and their families to collect data about the quality of treatment they received
- Helping Bergen's Promise better serve the surrounding community

## Projects

**BlueBubbles App**

*Active Contributor – [Github Link](#)*

**New Brunswick, NJ**

Feb 2021 – present

- Contributed towards development of an Android frontend in Dart/Flutter
- Worked well in a team setting, providing support and guidance
- Assisted during migration of the app/server to MongoDB
- Learned Objective-C to be able to contribute to the server-side app as well
- Helped increase the user count to more than 100,000 total users

**RU Swipe Share**

*Primary Developer – [Github Link](#)*

**New Brunswick, NJ**

Feb 2023 – present

- Built the frontend for a Flutter-based application to allow users to buy and sell meal swipes
- Created a Python/Flask backend server for the application that communicated with the Stripe API to allow in app payments
- Utilized Firebase to send and store information in a persistent database

**TrackCovid19**

*Sole Developer – [Github Link](#)*

**New Brunswick, NJ**

May 2020 – Dec 2020

- Developed an app for my grandparents to be able to visualize the spread of COVID in the US and Worldwide
- Employed a simple interface, designed to showcase critical information front and center

## Accomplishments

- Volunteered for Code4Tomorrow, teaching CS to underprivileged students
- Taught elementary school while traveling in India, to students who were unable to afford the cost of education

## SKILLS & INTERESTS

**Languages:** English, Bengali

**Technical Skills:** UNIX/Linux, Java, Dart/Flutter, C, Python, Swift/iOS Development, Android Development, Git, VSCode, Neovim, Jira