

Rudra Patel

US Citizen | 732-532-7870 | patelrudrab8@gmail.com | [linkedin.com/in/rudrapatel8](https://www.linkedin.com/in/rudrapatel8) | patelrudra.site

EDUCATION

Rutgers University

New Brunswick, NJ

Bachelor of Science in Computer Science and Data Science

Expected 2027

Relevant Courses: Data Structures and Algorithms, Computer Architecture, Software Methodology, Discrete 1, Discrete 2, Data 101, and Data Management For Data Science

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

Frameworks: Flask, FastAPI, JUnit, TensorFlow

Developer Tools: Git, Docker, TravisCI, IntelliJ, Eclipse

Libraries: React, Node.js, pandas, NumPy, Matplotlib, Material-UI, scikit-learn, keras, NumPy

EXPERIENCE

Full Stack Development Intern

Jun 2025 - Sep 2025

United Window and Door

Springfield, NJ

- Built a shipping route unlock tool using Node.js and MSSQL that efficiently enables the logistics process and mitigates bottlenecks in the supply chain process by displaying over 100 updated shipping routes daily
- Created an automated file-checker using Nodemailer to notify staff members of discrepancies as opposed to verifying discrepancies by hand, resulting in reduced manual overhead by 25 hours of manual labor weekly
- Developed a dynamic template system on the website that allows teams to better organize and share schedules

Full Stack Development Intern

Jun 2024 - Sep 2024

United Window and Door

Springfield, NJ

- Created a live sales dashboard using Next.js and Chart.js, providing all daily performance statistics of 2000 company clients and 50 sales reps to leadership and staff allowing for more accurate internal data analysis
- Upgraded company's internal website with new features to improve user experience and speed up business tasks
- Utilized Git for version control and version releases to ensure consistency and site uptime

Techonology + Engineering Lead

Apr 2022 – Nov 2024

Wheels For All - Non Profit Organization

North Brunswick, NJ

- Designed 3D-printable parts for bicycles in Onshape by modifying models to reduce cost for the organization
- Developed inventory tracker with Google Apps Script and Supabase, providing real time tracking of 50 parts and 400 repairs for volunteers regarding 2000 donated bikes
- Automated the onboarding for both donors and recipients via Typeform and Zapier to facilitate fast eligibility checks and improved response times with support allowing community outreach to over 20 towns in New Jersey

PROJECTS

Reccs - AI Recommendations Social Media Application

React Native, Expo, Firebase, Redux Toolkit

- * Creating a cross-platform mobile application for personalized recommendations spanning categories such as media, food, and lifestyle using React Native and Expo
- * Implemented Firebase Authentication, Firestore and Cloud functions for secure user data and real-time updates
- * Built custom categories, group chats and creator channels with React Native Navigation and Redux Toolkit

Brain Tumor MRI Detection Tool

TensorFlow/Keras, NumPy, Pandas, Matplotlib, Seaborn, scikit-learn

- * Created an end-to-end structured neural network that took 2D MRI scans of glioma, meningioma, pituitary tumors, and healthy brains, and performed pre-processing steps like resizing, labeling, shuffling, and splitting the data for training/testing with one hot encoded labels
- * Developed and trained a multilayer (Conv2D / Maxpooling / Dropout / Dense) CNN for 4-class tumor classification with categorical cross-entropy as the cost function and Adam as the optimizer