

# Abhishek Chaudhuri

North Brunswick, NJ | [achaudhuri2011@yahoo.com](mailto:achaudhuri2011@yahoo.com) | (732) 585-0818 | <https://www.linkedin.com/in/abhi187>

## Work Experience

### **July 2021 – Present | Mobile Associate | Prudential Financial, Newark NJ**

- Updated 7 Android apps and 11 iOS apps to satisfy modern enterprise requirements
- Wrote a Node.js server to authenticate SiteMinder sessions and provide REST APIs to Couchbase
- Developed an iOS app to test syncing encrypted data between the mobile client and Couchbase Server
- Documented 14 pages on authentication, data sync, data migration, and offline capabilities in Couchbase
- Mentored 4 team members to familiarize with the tech stack and learn best practices

### **June 2020 – August 2020 | Global Technology Intern | Prudential Financial, Remote**

- Researched 6 use cases where on-device machine learning can benefit Prudential
- Developed a sign language interpreter iOS app in Core ML using image classification
- Trained a model in Create ML to interpret sign language using 3500 images
- Assembled over 2000 lines of feedback about Prudential's culture and products using web scrapers in Python

### **September 2017 – April 2020 | N2E President & Instructor | Rutgers, New Brunswick NJ**

- Established a syllabus that coincided with introductory C++ classes
- Promoted the club through social media and increased attendance by 50%
- Recruited 11 qualified instructors and managed workshop timings
- Received a Leadership & Service Award for leading the N2E division

## Projects

### **February 2021 – November 2021 | How to Stock**

Link: <https://how-to-stock.herokuapp.com>

**Technologies used:** Django, Python, HTML, CSS, JavaScript, Bootstrap, SQLite

- Created a full-stack web application with 10+ pages using Django as the back-end and HTML, CSS, JS, and Bootstrap for the front-end
- Imported a financial REST API to filter stocks, view a company's profile, and display historical stock data
- Predicted stock prices for 1-month and 1-year investments using probability, statistics, and linear regression
- Facilitated users new to the stock market by providing tips and definitions about 20+ financial terms

### **September 2020 – November 2021 | Mini Brain Age**

Link: <https://play.google.com/store/apps/details?id=com.abhi.minibrainage>

**Technologies used:** Android, Kotlin, Python, Keras, TensorFlow Lite

- Trained a neural network that recognizes 60,000 handwritten digits using the MNIST dataset
- Compressed the model by 80% into a TensorFlow Lite file that fits onto an Android device
- Designed a game where players solve math problems quickly by drawing the answer on a canvas

## Education

### **Master of Science | Rutgers University – New Brunswick**

- Concentration: Software Engineering
- Technical Paper: Fully-Connected Neural Network in Verilog

### **Bachelor of Science | Rutgers University – New Brunswick**

- Major: Computer Engineering, Minor: Computer Science
- Graduated Summa Cum Laude