

Abhishek Chaudhuri

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Work Experience

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

- Maintained 7 Android apps and 11 iOS apps used by 1500+ employees to satisfy modern enterprise requirements
- Wrote a Node.js server to authenticate SiteMinder sessions and provide REST APIs to Couchbase for 1700+ customers
- Developed MVVM reference architectures for iOS, Android, and React Native that reduced development time by 20%
- Published 100+ pages of technical documentation to improve knowledge sharing of developer tools used internally
- Mentored 6 team members and led PI planning for mobile development stories
- Earned AWS Cloud Practitioner & Developer Associate certifications

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

- Developed a sign language interpreter iOS app in Core ML to improve accessibility in the workplace
- 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 Instructor → N2E President | 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

January 2019 – Present | Portfolio Website

Link: <https://abhiek187.github.io>

Technologies used: React, TypeScript, SCSS, Bootstrap

- Created a single-page, responsive, and accessible website with 5 components using React and TypeScript
- Incorporated Bootstrap, SCSS, and 40+ automated CI/CD tests to improve the design and functionality of the website
- Showcased the top iOS, Android, and web projects with video previews, tools used, and links to run the projects
- Improved performance by 200% by optimizing static content delivery and reducing layout shifts

February 2021 – November 2021 | How to Stock

Link: <https://how-to-stock-3.fly.dev>

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

- 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
- Automated deployments to Fly.io by setting up a CI/CD pipeline in GitHub with 30+ unit tests

Education

Master of Science | Rutgers University – New Brunswick

- Concentration: Software Engineering

Bachelor of Science | Rutgers University – New Brunswick

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