Abhishek Chaudhuri

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Experience

January 2019 – Present | Portfolio Website | Project
- Implemented React to create a single-page, responsive website with 5 components
- Incorporated Bootstrap and 20+ automated tests to improve the design and functionality of the website
- Showcased the top 6 projects, emphasizing tools used and links to preview the project

February 2021 – April 2021 | How to Stock | Project
- Created a full-stack web application with 5 views using Django as the back-end and Bootstrap for the front-end
- Imported a financial 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 – February 2021 | Mini Brain Age | Project
- 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

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

June 2019 – August 2019 | Mobile Engineering Intern | Prudential Financial, Newark NJ
- Developed a low-cost, high-fidelity indoor navigation system in Swift using a static map image
- Incorporated fixed waypoints and graphing algorithms to determine one's current location and routing in buildings
- Maintained indoor data in JSON through a web app (front-end: HTML, CSS, & JavaScript, back-end: Python)

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

Skills

Proficient: iOS Development (Swift), Android Development (Java, Kotlin), Web Development (HTML, CSS, JavaScript, TypeScript, React), Engineering, Python, Git, Unix

Knowledgeable: Machine Learning (PyTorch, CoreML), C, C++, Unity (C#), Firebase, Django, Flutter, Test Automation

Familiar: Node.js, Flask, MongoDB, SQL, Angular