

Abhigya Pote Shrestha

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EDUCATION

Wentworth Institute of Technology | Boston, MA

Expected August 2022

Bachelor of Science in Computer Engineering and Computer Science

GPA: 3.94/4.0

Relevant Courses: Data Structures and Algorithms, Operating Systems, Computer Networking, Web Development

TECHNICAL SKILLS

Programming Languages Java, JavaScript, Python, C/C++, Bash

Frameworks & Tools Git, Linux, Docker, AWS, Jenkins, Spring, ReactJS, Flask, NodeJS, MySQL, MongoDB

WORK EXPERIENCE

School of Computing @ Wentworth | Boston, MA

September 2020 – April 2021

Computer Science Research Assistant | *Python, Debian(Linux), Flask, Scikit-Learn, MySQL*

- Designed a system to remotely monitor heartbeat using IoT devices, machine learning, and web application
- Recorded ECG data with a Raspberry Pi and classified it with a machine learning model within the Pi in 1 minute
- Displayed the patient's heartbeat type with a web service (Flask on Linux) which functions as a preclinical service

Caldwell University Admissions | Caldwell, NJ

September 2019 – January 2020

Web Developer

- Administered Caldwell University's website by implementing HTML/CSS, JavaScript, WordPress
- Hosted upload requests from 20+ university-wide departments within a 30-minute average response time
- Designed front-end layout alongside senior admissions counselors applicable to 2000+ webpages

RELEVANT PROJECTS

Student Dashboard | *Java Spring Boot, ReactJS, MySQL, Axios http-library*

- Built a student management system with features to add, edit, and delete records using a client-server architecture
- Designed the frontend with React that utilizes reusable components and interacts with the backend using axios
- Set up a REST API with Spring Boot (controller, service, repository layers) that interacts with a MySQL database

Boston Sights | *React, Node, Express, MongoDB, AWS S3, Firebase, Heroku*

- Developed a photo-sharing website that lets users post pictures of notable spots in and around the city
- Configured connection between a React frontend and a NoSQL database through a REST API built in Express
- Built an authentication portal based on bcrypt.js password hashing and stored login data with JSON Web Tokens

Town Deals | *Django, JavaScript, PostgreSQL, AWS RDS, AWS S3, Heroku*

- Built a web application that allows the purchase of used products with or without a user account
- Authorized exchange of funds with the PayPal Developer Sandbox representing verified transactions
- Classified and filtered products based on price, relevance, product category, and listed search results

LEADERSHIP & INVOLVEMENT

Caldwell University

August 2018 – January 2020

- Resident Assistant, Student Government VP, Mathematics Tutor, Honors Program

Wentworth Institute of Technology

January 2020 – Present

- Wellness & Mental Health (Trainee), My Brother's Keeper (Fellow)