

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: 3.9/4.0

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

AWS Certified Solutions Architect – Associate

April 2022 – April 2025

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

NBCUniversal Peacock | New York, NY

September 2021 – December 2021

Data Engineering Intern | *Python, Java, Google Cloud Platform, Docker, Kubernetes*

- Built a tool that automates dead-letter queue (DLQ) analysis by aggregating metrics and logs for failed jobs
- Saved 2 to 4 hours of the team's engineering time each week, which was then directed to mission-critical work
- Refactored API calls to stay within usage limits, making efficient use of computational resources and budget

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
- Published and presented 2 papers at IEEE's *Computing and Communication Workshop and Conference*

Caldwell University Admissions | Caldwell, NJ

September 2019 – January 2020

Web Developer | JavaScript, HTML/CSS, WordPress

RELEVANT PROJECTS

Sports League Dashboard | *Java Spring Boot, ReactJS, AWS Elastic Beanstalk*

- Designed a web-based dashboard to browse match results of teams in the Indian Premier Cricket League
- Built an API with Spring MVC which also hosts the frontend built with React (functional components and hooks)
- Imported match data from a CSV file through Spring Batch into an in-memory database to improve loading speed

Boston Sights | *ReactJS, 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

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

LEADERSHIP & INVOLVEMENT

- Resident Assistant, Student Government VP, Mathematics Tutor, Honors Club, Wellness/Mental Health Trainee