

MAYANK VAISHYA

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TECHNICAL SKILLS

Language: JAVA | Python | JavaScript

AWS: DynamoDB | Redshift | Lambda | S3 | SQS | SNS

Framework: Spring | React

Others: Pandas | Data Science | Machine Learning

WORK EXPERIENCE

Software Development Engineer | Amazon (Ship With Amazon), India

June 2022 – Present

- Daily work included bug fixes, feature implementations, on-call responsibilities, load tests and documentation.
- Implemented a feature's to show users rates before their onboarding which led to 15% more shippers onboarding with SWA.
- Implemented a feature to allow users to reset their onboardings.
- Analysed customer metrics to identify a bug impacting 100+ customers, wrote python scripts to scrape data from logs and metrics and Lambda scripts to resolve the issue.
- Migrated service components from old to new technologies, designed and implemented the re-architecture using AWS components.
- Mentored and guided an intern to collaboratively deliver a project.

Globalink Research Intern | York University, Canada

May – Aug 2021

- Predicted water levels of the Toronto river to look out for anomalies that indicated floods or droughts.
- The project required knowledge of data science to process data and machine learning to make CNN models to predict the data.

Project Assistant Intern | CSIO-CSIR (Biomedical and Instrumentation division).

Jan – May 2021

- Developed an application for a dialysis machine's User Interface using python.
- The applications backend interacted with Raspberry pi, Arduinos and multiple sensors while the frontend, made using tkinter library, handled the interaction with the user.

Project Assistant Intern | CSIO-CSIR (Biomedical and Instrumentation division)

Nov 2019 – Jan 2020

- Developed an intelligent attendance system using facial recognition using python, a better alternative to the traditional roll call.

PROJECTS

TEXT FILE COMPRESSOR @

- The program compresses text files using Huffman algorithm, using data structures like trees and heaps in python.

INSTAGRAM BOT @

- This program, made in Python, using Selenium and BeautifulSoup, creates an automated bot which can be used in various ways to boost your profile (follower count) or extract information from the millions of Instagram handles.

NEURAL MACHINE TRANSLATION @

- A French to English translator using recurrent neural networks.

3-D SCANNER @

- Skills used during the project include CAD, PCB designing, electronics, and programming.
- Developed a code that fetches readings from Arduino and converts them into a 3-D surface.

EDUCATION

B.Tech (ECE)	Punjab Engineering College	CGPA-8.95	Jul 2018 – Present
CLASS XII (CBSE)	S.G.H.M.S, Chandigarh	84.2 %	Jun 2017 – Jun 2018