

AYUSH PRADHAN

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EDUCATION

SUNY – Binghamton University

Masters of Science in Computer Science (CGPA: 4.00/4.00)

Binghamton, New York

Fall 2023 - Present

- **Courses:** Machine Learning for Engineers, Intro to Deep Learning, Foundation of Computer Systems, Data, Inference and Applied Machine Learning.

University of Mumbai

Bachelor of Engineering in Computer Engineering, (CGPA: 7.95/10)

Mumbai, India

August, 2018 - June, 2022

- **Courses:** Data Structures and Algorithms, Operating Systems, Computer Architecture, Cloud Computing, Database Management System, Software Engineering, System Programming and Compiler Construction.

WORK EXPERIENCE

BrandTouch And Analytics Private Limited

Data Analyst

Mumbai, India

September, 2022 – May, 2023

- Developed two AI projects implementing **OpenAI** technologies that assisted our company's breakthrough into the AI market. The first project was an **AI QA bot** that can answer queries and offer summaries based on the Indian Constitution, and the second was an **AI Diet bot** that recommends tailored diet regimens.
- These projects assisted us in increasing site retention by **20%** and gaining new AI clients.

Trivia Softwares

Python Developer

Mumbai, India

December, 2020 – January, 2021

- Designed an enhanced version of existing Student Management System with **Python 3.8** technology, leading in a considerable increase in student performance **Visualization** and **Record management**.
- This contribution boosted the project's efficiency by **30%** over its prior iteration, allowing the school to have a better understanding of its kids' academic development.

TECHNICAL SKILLS

Programming: Python, SQL and HTML, CSS

Technologies: MS-Excel, Scikit-Learn, Plotly, NumPy, Matplotlib, Tensorflow, Pandas, Seaborn, XGBoost, Jupyter Notebook, Tableau, Flask, Open-AI, Langchain, git

PROJECTS

Fraudulent Transaction Detection

[GitHub Link](#)

Tech Stack: Python, Machine Learning and Jupyter Notebook

- I created a machine learning model for predicting fraudulent transactions that has an accuracy of 94.64% and a recall of 79.97%, placing it among the top solutions on the market. In addition, I offered an actionable fraud prevention strategy comprised of six important aspects, as well as methods to assess the efficiency of these protection measures.

Chest Radiography Image Analysis for Covid

[GitHub Link](#)

Tech Stack: Python, Deep Learning and Jupyter Notebook

- Developed a VGG19 model to detect COVID infected lungs using chest radiography. By making this tool available to doctors, I was able to assist them in making more accurate COVID diagnoses.
- I also assisted doctors in improving the accuracy of COVID-19 detection and providing more effective patient treatment by adding insights from chest radiography into current detection approaches.

NYC Taxi Fare Prediction

[GitHub Link](#)

Tech Stack: Python, Machine Learning and Jupyter Notebook

- Designed a taxi fare prediction model that overcomes the drawbacks of current approaches by extracting and understanding patterns in traffic and route data using machine learning algorithms.

ACTIVITIES

- Social Entrepreneur Intern, Organizing Fund Raiser for cause [Sukhad](#), Hamari Pahchan NGO
- Member of Promotions Team, Krash Code 2k19 Competition held by [CodeChef](#), CSI-KCCEMSR
- Second Prize, Poster Competition held by KCCEMSR