ARPITA MISHRA

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EDUCATION

New York University	New York City, NY
Master of Science, Computer Engineering	Sept 2021 - May 2023

Courses: Database Systems, Internet Architecture and Protocol, Machine Learning

Pranveer Singh Institute of Technology	Kanpur, India
Bachelor of Technology, Computer Science and Engineering	Aug 2017 - Aug 2021

Data Structures, Database Management System, Operating Systems, Software Engineering

PROFESSIONAL EXPERIENCE

Gradboss	Bangalore, India
Software Developer	Jun 2020 –Aug 2020

- Built Gradboss core product using creative and innovative approach on HTML, CSS, NodeJS, Rest API, Azure and Firebase.
- Collaborated with a team of developers, designers and product managers to optimize the design, feature and ensure functionality.
- Developed resume parser module using python to sort resumes in terms of technical competency of users as well to get a better understanding of their candidature, thus helping 90% increase in the correct mapping of skills to the candidate.

PROJECTS

Crime Data Analysis, Visualization and Prediction of Crime Events   Mar 2021
- Led a team of 4 people, created user interface using concept of neumorphism and worked on front end.
- Created a unified platform for crime data visualization, analysis and real-time prediction of future crime trends. It is advanced as a complete product and can be applied for any country's dataset.
- Formed backend through zingcharts, amcharts, anymap, folium and google maps embed API to conduct data visualization.
- Live prediction on dataset is carried out by time series forecasting with Prophet library of python.

Guest ledger   Sept 2020
- Built a guestbook website where users can sign a guest book by entering name and a message in a web form.
- Stored data of guests in form of sqlite3 database upon submission so it could be displayed in web application.
- The database and frontend of the web application was connected using Flask- Python.

Automated Attendance using Facial Recognition   Apr 2019
- Worked as a team lead and researched on various algorithms for facial recognition and selected the Local Binary Pattern.
- Developed graphical user interface using tkinter package of python to make attendance procedure more interactive.
- Usage of Local Binary Pattern algorithm makes storage of images efficient as it converts pixels of images into binary numbers.

Titanic Survival Prediction   Dec 2018
- Applied libraries of python such as NumPy, pandas, matplotlib, seaborn and sklearn to get a clear understanding of dataset.
- Performed analysis on dataset of passengers boarded on Titanic and predicted survival of various categories of people on basis of age, economic status, gender and number of siblings to enhance dataset and carried out varying operations.
- Forecasted survival of passengers using different machine learning models such as Logistic Regression, Gaussian Naïve Bayes and Support Vector Machine and the Logistic Regression model resulted in 80% accuracy.

SKILLS

Interests: Software development, Cloud, Machine Learning, Web App Development
Languages: Java, Python, JavaScript, HTML, CSS, SQL.
Tools & Libraries: Numpy, Pandas, Sklearn, Seaborn, Matplotlib, TensorFlow, Keras, Jupyter Notebook, GIT, Jira, SQLAlchemy.

ACCOMPLISHMENTS

- Shortlisted for the Code to Give hackathon conducted by Morgan Stanley on April 22.
- Completed Architecting with Google Compute Engine Specialization by Coursera.
- Certified with the Fundamentals of Deep Learning for Computer Vision by **NVIDIA**.
- Founded Helping Hands **NGO** and formed a team of 30 people to help poor and needy.
- Elected as Seargeant at Arms at PSIT Kanpur **Toastmasters International** Club.