

ARPITA MISHRA

New York City, NY | +1(201)-680-1084 | am11432@nyu.edu | [linkedin.com/in/arpita-mish/](https://www.linkedin.com/in/arpita-mish/) | [Portfolio](#) | GHC'22

EDUCATION

New York University

Master of Science, Computer Engineering | GPA: 3.67/4

New York City, NY

Sep 2021 – May 2023

- **Coursework:** Database Management Systems, Machine Learning, Network Security
- **Graduate Admissions Assistant** (Sep 2021 – May 2023)

Pranveer Singh Institute of Technology

Bachelor of Technology, Computer Science and Engineering | GPA: 8.8/10

Kanpur, India

Aug 2017 – May 2021

- **Coursework:** Data Structures, Design and Analysis of Algorithms, Software Engineering
- **Technical Events Head** (Jan 2019- Mar 2019)

TECHNICAL SKILLS

Interests: Front-end Development, Back-end Development, Web Development, Data Analysis

Programming Language: Python, Java, C, JavaScript, ReactJs, HTML, CSS

Other: NumPy, Pandas, Sklearn, Seaborn, Matplotlib, TensorFlow, Keras, Jupyter Notebook, GIT, Jira, SQLAlchemy

PROFESSIONAL EXPERIENCE

Gradboss

Bangalore, India

Software Engineer Intern

Jun 2020- May 2021

- Developed and maintained responsive web applications using HTML, CSS, and JavaScript to ensure optimal user experience.
- Designed visually appealing user interfaces and enhanced end-user experience by leveraging React.js and React Hooks skillfully.
- Collaborated closely with cross-functional teams to integrate back-end functionality using Node.js and Express.js frameworks.
- Deployed web applications on Heroku with Firebase Authentication and Firestore Database for increased security.

PROJECTS

Inventory Management System (Django, JavaScript, CSS, Bootstrap, MySQL, Oracle SQL Developer, Tableau)

- Build a web app using Django and MS SQL to implement an OLTP database from 50000+ raw data records.
- Designed a data warehouse schema, implemented ETL and CDC using SQL Loader, external tables, and timestamps.
- Created SQL scripts to generate reports and dashboards using Tableau to provide meaningful insights and data analytics.
- Implemented advanced database features such as partition tables, indexes, triggers, procedures, functions, and history tables.

Crime Data Analysis, Visualization, and Prediction of Crime Events (Web Scraping, Web Development, Machine Learning)

- Led and contributed to a team of 4 to devise a crime data analysis platform to be used by diverse country crime datasets.
- Built a unified platform for real-time crime data visualization, analysis, and predictive forecasting of future crime trends.
- Implemented zingcharts, amcharts, anymap, folium, and google maps embed API to create dynamic and interactive visualization.
- Utilized time series forecasting technique with the Prophet library in Python to perform live prediction on crime dataset.
- Designed a web app and applied concept of neumorphism to make user interface more interactive and user-friendly.

Automated Attendance using Facial Recognition (Machine Learning, Tkinter)

- Worked as a team lead, researched various facial recognition algorithms, and selected the Local Binary Pattern algorithm.
- Developed a graphical user interface using Tkinter python package to make attendance procedure more interactive.
- Usage of Local Binary Pattern algorithm makes storage of images efficient as it converts images into binary numbers.

ACCOMPLISHMENTS

- Published a research paper "[A Review on Vehicle Agent](#)" in the International Journal of Engineering & Applied Sciences Technology.
- 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 underrepresented communities.
- Elected as Sergeant at Arms at PSIT Kanpur **Toastmasters International Club**.