Dhruv Sahu

dhruvsahu2000@gmail.com 9616622066, 8448167553 Dhruv Sahu dhruvsahu

EDUCATION

Bachelor of Technology, *Shiv Nadar University* Jul 2020 – present | Noida, India
Electronics and Communication Engineering, Minor in Computer Science Engineering
CGPA: 8.27
***Relevant Coursework**:* Data Structures and Algorithms, OOP, Operating Systems, Data Science for Machine Learning, Applied Machine Learning, Digital Signal Processing, and VLSI.

Higher Secondary School, *Sherwood Academy* Apr 2019 | Lucknow, India
Grades: 88.25% (ISC)

PROFESSIONAL EXPERIENCE

Data Science Intern, *Empliance Technologies Private Limited* May 2023 – present | Gurugram, India
- Developed efficient Python scripts leveraging libraries such as Openpyxl, Pymongo, and Selenium to extract data from government websites and create comprehensive MongoDB databases, streamlining data acquisition and management processes.
- Utilized cutting-edge technologies, including the OpenAI API and LangChain, to design and implement a customized script capable of generating highly relevant news articles for publication on the company's online portal, enhancing the customer experience and driving engagement.

PROJECTS

Pandemic-Bank-Stocks-Analysis, May 2022
Data Science (Libraries- Numpy, Pandas, Seaborn, and Cufflinks)
- This project focused on exploratory data analysis of stock prices around the pandemic market crash. Data gathering of the stock market using Yahoo API from 2019 to 2021.
- Related the moments of these stocks to the world events and found the riskiest stock in terms of volatility during this period.
- All the fundamental practices were analysed to determine the movements of the top six financial institutions Bank of America, CitiGroup, Goldman Sach, JPMorgan Chase, Morgan Stanley, and Wells Fargo.

Model-Comparison-MNSIT, *Machine Learning (Libraries- Numpy, Pandas, Matplotlib and Sklearn)* Feb 2023
- MNIST dataset consists of 70,000 images of handwritten digits. The digits have been size-normalized and centred in a fixed-size image, observations on time and accuracy for different techniques.
- Discriminative Models - KNNeighbours, Decision Tree and Random Forest were used for classification(Image recognition). Accuracy came out to be 0.97, 0.85 and 0.97, respectively. Different training sizes, K numbers and pruning methods were used.

SKILLS

Programming (Java, C, Python) • **Data Visualisation** (Numpy, Pandas, Seaborn, Pyplot, and MATLAB)

Automation (Selenium, Openpyxl) • **Web Development** (HTML5, CSS3)

Tools and Frameworks (Cadence, Git, Linux, MS Excel, MATLAB, and Photoshop)

POSITIONS OF RESPONSIBILITY

Design Team Member Aug 2022 – present
ACM (Association for Computing Machinery), co-lead and worked on digital design in a collaborative manner for the club.

Associate Secretary II Mar 2022 – present
Pixels (Shiv Nadar University Photography Club), managing and leading club activities and events.

Class Representative B.tech ECE'24 Feb 2023 – present
Member of Senate (Shiv Nadar University Council), became the link between the class and the academic leaders of the program and the Students' Association.