Gouravdeep Singh

Toronto, ON • gouravdeepsingh23@gmail.com • 6479947106 • LinkedIn• GitHub

SKILLS

- Programming | Python, HTML, SQL, CSS
- Data Visualization | Tableau, Matplotlib, Seaborn, Power BI, Plotly
- Software | MS Office (Excel, PowerPoint, Word, Outlook)
- Libraries | Scikit-Learn, Pandas, NumPy, OpenCV, NLTK, TensorFlow, Keras

EDUCATION

Artificial Intelligence and Machine Learning PG Diploma   May 2022 – December 2023
Lambton College, Toronto ON

Bachelor of Engineering- Electronics and Communication Engineering   June 2015 – June 2018
Guru Nanak Dev University, India

WORK EXPERIENCE

WIL Project, Lambton College   September 2023 – December 2023
- Conducted comprehensive stock market analysis for Samsung and Apple stocks by leveraging 4 years of historical data sourced via API, stored on AWS S3 and visualized insights using Tableau
- Implemented Time Series Forecasting to predict future stock opening rates, maintaining a code repository on GitHub and deploying findings on AWS SageMaker
- Orchestrated end-to-end project execution, from data acquisition and analysis for KPIs to model deployment, showcasing skills in data management, visualization and cloud-based deployment

Software Developer, Infowiz   June 2020 – September 2021
- Utilized web development languages and frameworks to develop and maintain responsive websites, optimizing user engagement and driving a 40% increase in website traffic
- Managed updates and maintenance of existing websites to improve user experience and streamline navigation resulting in a 20% reduction in bounce rates
- Collaborated closely with cross-functional design teams to execute user-centric designs powered by The Bootstrap framework yielding a 57% client satisfaction rate

PROJECTS

Fashion Recommendation System   May 2023 – July 2023
- Developed a Fashion Recommendation System using Deep Learning CNN architecture, providing users with top 5 similar images with respect to input image
- Build ResNet model to evaluate the performance of our model and used cosine similarity to calculate similarity score among recommendations increasing accuracy by 40%
- Leveraged expertise in Data preprocessing techniques to optimize the model by creating vectors of images to reduce processing time by 70%

Restaurant Recommendation System   August 2022 – October 2022
- Conducted Exploratory Data Analysis (EDA) to better understand the data and visualized findings via Matplotlib to get better insights
- Transformed customer reviews into numerical data through Natural Language Processing (NLP), assigning scores of -1 for negative and 1 for positive reviews respectively
- Applied Recursive Feature Selection to assess predictor significance concerning the target variable and performed Clustering algorithm for location-based recommendations