NAMAN GUPTA

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"Experienced in Coding and applying Machine Learning to build products."

EDUCATION

IIT KHARAGPUR   July 2015 – June 2020

 Mathematics and Computing (Dual Degree - Bachelor and Masters). CGPA - 8

BITS Pilani   April 2021 - Present

Post Graduate Program in **Artificial Intelligence and Machine Learning**.

SKILLS AND COURSES

- Experience in: **C++**, **Java**, **Python** - Sklearn, Keras, Tensorflow, Django, **HTML/CSS**, Snowflake, **Excel**
- Other languages used - **SQL, R, VBA and JavaScript**
- Computer Science Courses : **Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Cryptography and Network Security**, Soft Computing Tools in Engineering
- Data Analytics Courses : **Probability and Statistics, Operations Research, Regression and Time Series**
- Executed projects on Regression, Classification, Feature Engineering and Deep Learning problems in NLP - **weblink**

WORK EXPERIENCE

Capital One   Bangalore

Data Scientist   June 2020 – April 2021

- **Automated analysis of millions of call transcripts** generated from customer service calls.
- Worked on **Topic Modelling, Sentiment analysis** and experimented with various classification models -**Logistic Regression, SVM, KNN** to get useful insights from 5 million Call Transcripts.
- Used **Python libraries Pandas, Numpy, Matplotlib, Sklearn, SQL, Snowflake**.
- **Patent for** - IDENTIFYING ZONES OF INTEREST IN TEXT TRANSCRIPTS USING DEEP LEARNING.

HSBC - Global Banking and Markets Front Office   Bangalore

Jr. Analyst   May 2019 - July 2019

- Worked with Fixed Income team in London office for pricing XVA charges using **Monte Carlo Simulation**.
- Developed proxy CDS levels using **Multiple Linear Regression (ML) based on Research Papers -weblink.** Suggested a new model based on decision trees that captures idiosyncratic risk.
- Developed **VBA code** to calculated daily **CVA Carry** to analyse loss on the hedge side using Bloomberg Terminal.

Innoven Capital VC   Mumbai

Tech Consultant and Software Developer   November 2018 - Jan 2019

- Worked on **evaluating different ideas and startups on their business potential** and creating research reports
- **Planned and built an Online Monitoring System.** Transformed their method of tracking startups and investments.
- Developed **back-end code for User Login, Data Storage and Modification** using Django in Python - **weblink**
- **Designed front-end** using HTML,CSS and BootStrap.

CelebValley   Mumbai

Co-Founder   Jan 2017 - April 2018

- Founded CelebValley company - a platform for online booking of artists **-webink**
- **Led a team for Website design and Product Development**. It was used for artist profile registration and hassle free online inquiry and booking. Brought on board over 300+ artists in 13 categories.
- **Prepared business strategies** to eliminate brokers between artists and clients.Reduces cost of services by 30 percent.

AIESEC Program Romania

Volunteer May 2017 - Jun 2018

- **Worked in an NGO in Romania** with volunteers from Europe and Asia.
- It was a cross cultural personality development experience. Our goal was to encouraged people for social work.
- Organized street programs and digital campaigns and reached out to about 500+ people in 5 weeks.

PROJECTS

- Prediction of CGPA - **Soft Computing** Term Project. Created an institute level GPA predictor using **k-Nearest Neighbours along with SVM to increase the results for the prediction in case of outliers**.

- Kaggle - Worked on "House Prices: Advanced Regression Techniques"- Predict sales prices and practice-feature engineering, **RFs, gradient boosting**

- **Good Governance Yatra by Rashtram School of Public Leadership** Travelled around the country to understand various developmental issues in the country with a cohort of 70 people from various backgrounds.

EXTRA-CURRICULAR

- **International Relations Cell, IIT Kharagpur**. Led the marketing on international front and acted as Brand Ambassador - facilitating MoU signing with international universities.

- **Events Coordinator** - Mathematics Department. Managed a fund of Rs. 1.25 Lakhs to organize conferences and farewell ceremonies.

- Pursued a course in **Hindustani Classical Music** for 2 years (2013-15) in India International School, Jaipur.Recipient of CBSE Merit Certificate for scoring highest marks in **Hindustani Music** in Class 12 CBSE Board Examinations (100/100)

- Received **NTSE and KVPY** fellowship award .