Ankit Malhotra

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# PROFESSIONAL SUMMARY

Innovative AI Analyst with a strong foundation in Machine Learning, Artificial Intelligence, and Statistical Analysis. Currently interning at a cutting-edge startup, leveraging expertise in Python and SAP to develop and deploy data-driven solutions. Known for creating predictive models and data visualizations that translate complex data into actionable insights. Passionate about continuous learning and technological innovation with proven ability to thrive in dynamic environments and collaborate effectively within teams. **Multi-Lingual**: ***English, Hindi, Punjabi***

# EDUCATION

**MSBA, Finance Concentration University of California**, *Riverside (UCR), CA,* ***GPA: 3.96***Dec 2024

* Honors Graduate Award, BetaGammaSigma (Best in Business)
* AGSM Graduate Ambassador

**B. Tech in Electronics and Instrumentation**, *VIT University, Vellore, India* May 2019

* President – Visual Bloggers’ Club
* Core Technical member – ISTE (Indian Society for Technical Education)

# TECHNICAL & RELEVANT SKILLS

 **Programming Languages & Tools**: Python, R, SQL, Excel, Julia, JavaScript, HTML, CSS, C/C++.

 **Data Management Tools:** PostgreSQL, MySQL, Hive, Presto, SQLite, MongoDB, Google Data Studio, PowerBI, Tableau.

 **Data Science & Analysis:** Statistical Data Mining, Statistical Analysis, Machine Learning: Training & Evaluation, Data Engineering.

 **Other Tools & Frameworks:** Django, Flask, Node JS, SPSS, AWS (EC2, S3), ReactJS, Agile Methodologies, Pandas, NumPy, Scikit-Learn, TensorFlow, PyTorch.

# CERTIFICATIONS / ACHIEVEMENTS

**Major Certifications:**

* ***Data Scientist Masters Certification*** ***Jun 2024***
* Data Science with Python Apr 2023
* Database Design & DBMS Mar 2021
* Programming in Python for Data Science Jan 2020
* Masterclass – Database and SQL May 2020
* Cloud Computing with AWS (S3 + EC2) June 2019

**Achievements:**

* ***Honors Award – Beta Gamma Sigma’24***
* AGSM Peer Mentor’24
* Awarded Best Data Analyst – Financepeer’22
* Star of The Month – Financepeer’22
* Gold medal in SQL & Python – HackerRank‘21
* Student Of the Year Award – Times of India’13

# PROFESSIONAL EXPERIENCE

**Senior Data Analyst,** *Uber | IndiumSoft, Hyd, India* **Aug 2022 – Jun 2023**

* Led Uber Cash and Gift Cards projects with the Payments and Risk team, systematizing pipeline flows and reconciling 10+ pipelines, resulting in a 15% increase in process efficiency.
* Designed dashboards with GDS and Tableau, automating bi-weekly reports and visualizations using Python, saving 20+ hours per week and improving data accessibility by 25%.
* Conducted a deep dive analysis of top-ups, generating insights that led to a $500,000 increase in monthly revenue for Uber Eats and a 12% increase in user engagement.

**Data Analyst + Backend Dev,** *Financepeer, Hyd, India* **Feb 2020 – August 2022**

* Developed software for data visualization, building 100+ automated dashboards with filters and parameters, improving data reporting efficiency by 25%.
* Designed and implemented projects including Lender Management System, Integrations, and OCR using Django & React-JS, enhancing processing performance through database tuning.
* Developed algorithmic logics for efficient money handling, automating back-office processing, reducing manual labor by 35% and saving 10+ hours weekly.
* Created Task Management and Queuing system, enhancing internal team communication and task balancing, improving task completion efficiency.

**Technical Analyst (Support)*,*** *Vodafone, Pune, India* **Aug 2019 – Feb 2020**

* Designed and implemented redundancy routing systems for 1st level support, improving network reliability and reducing downtime by 20%
* Collaborated with clients across the east coast to optimize fixed line network designs, enhancing network efficiency and client satisfaction.

# INTERNSHIP & ADDITIONAL EXPERIENCE

**Artificial Intelligence Project Lead Intern,** *WeAreInPower, California* **Apr 2024 – Present**

* Spearheaded the development of an AI chatbot designed for non-binary individuals, utilizing advanced large language model (LLM) fine-tuning to enable human-like counseling capabilities. Led efforts in content moderation, prompt engineering, and continuous improvement of chatbot design and implementation.
* Directed the end-to-end process of designing and implementing a counseling chatbot, focusing on inclusive and empathetic communication. Managed content moderation protocols and engineered prompts to ensure effective and sensitive interactions.

**Artificial Intelligence Intern,** *iSync Technologies, Artesia, California* **Apr 2024 – Present**

* Integration of SAP ERP S4Hana with python. Developing methodologies for AI generated reports with the help of Gemini-Pro LLM along with Hugging-Face API.
* Analysis of 2 critical modules - FI (Financial Accounting) and CO (Controlling) for automating reporting and data inflow for financial transactions and internal cost management.

**Data Science & Analytics Mentor,** *Newton School, Remote* **Aug 2023 – Jan 2024**

* Responsible for mentoring & coaching a cohort of 15 – 20 students in Data Science & analytics with Python, SQL, MS Excel, R, Tableau along with Data Warehousing and Mathematics.

**Technical Intern,** *SolletSoft Solutions, Hyd, India* **Dec 2018 – Feb 2019**

* Enhanced and optimized Python and Django codebases to improve application performance and efficiency.

**Summer Research Intern, *Defense Research and Development Laboratory,*** *Hyd, India****.* May 2018 – Jun 2018**

* Conducted in-depth research and analysis on missile propulsion systems to support defense technology development.

**Summer Project Intern,** *Asea Brown Boveri (ABB)****,*** *Bangalore, India****.* May 2017 – Jun 2017**

* Selected and evaluated industrial instruments for process industries to ensure optimal performance and reliability.

# PROJECT HIGHLIGHTS

# 1. [Property Sales Data Analysis](https://github.com/MalhotraAnkit97/PropertySalesData_Analysis)

## *Description*: Conducted comprehensive data analysis on property sales data from 2002 to 2018 using R. The project involved data cleaning, trend analysis, and model development to derive meaningful insights from the dataset.

## 2. [Spotify Cohort Analysis](https://github.com/MalhotraAnkit97/Spotify_Cohort_Analysis)

## *Description*: Performed exploratory data analysis and cluster analysis to create cohorts of songs using Python. This project aimed to understand and group songs based on various features to enhance song recommendation systems.

## 3. [Iris\_Analysis\_ML\_model](https://github.com/MalhotraAnkit97/Iris_Analysis_ML_model/)

## *Description*: Developed multiple machine learning models using Python to analyze the Iris dataset. The project involved extensive exploratory data analysis (EDA) and model fitting to predict species based on flower characteristics.

## 4. [Operation\_Blueprint](https://github.com/MalhotraAnkit97/Operation-BluePrint)

## *Description*: Conducted comprehensive data analysis for an international clothing company's sales data using Excel and Python. This project involved creating predictive models, performing statistical analysis, and generating visual insights to forecast sales trends and inform business strategy.

## 5. [HepatagonConsulting\_DBMS](https://github.com/MalhotraAnkit97/HepatagonConsulting_DBMS)

## *Description*: Designed and implemented a comprehensive Database Management System (DBMS) for a virtual consulting firm. The project included creating database schemas, entity-relationship diagrams (ERD), and optimizing queries to handle various business consulting issues related to finance, technology, and compliance.