KOMAL CHAMYAL

Data Scientist/Analyst

EDUCATION

Hansraj College, Delhi University

B.Sc. Computer Science (Hons)

2020 - 2023
CGPA - 8.85

IIT Madras
Diploma in Programming

2021 - 2024
CGPA - 8.0

Aryaman Vikram Birla Institute of Learning Haldwani, Uttarakhand

AISSCE (Class XII)

2020
Score - 97.25%

CONTACT

Belvedere Park, Gurugram

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PROFILE

Dynamic and Results-Driven Professional in Business and Technology.

Portfolio Website - https://komalchamyal.netlify.app/

I've been passionate about programming and data for six years. At Aays Analytics, I discovered my knack for business as well. I excel in problem-solving, machine learning, data analysis, modeling, and client relations. Known for combining technical and business skills, I drive impactful projects. I have strong leadership, communication, and problem-solving abilities, and I'm dedicated to automating challenges with code. Quick to learn due to my logical approach, I seek opportunities to leverage my skills for transformative projects and organizational success.

WORK EXPERIENCE

Associate Data Scientist (Full-Time)   Nov '23 - Present
Aays Analytics, Gurugram

- Exposure to Gen AI techniques used in industry
- Aays Hackathon 2023 – Implemented a Zero Shot Learning Classification model (Hugging Face) to classify customer service user queries. Segmented the queries which gave insights into customer behaviour.
- OpenAI – Fine tuned GPT-3.5 to summarize pytesseract OCR text into required business KPIs from Non-scannable PDFs. Worked with OpenAI API to generate training data for a custom LLM model.
- RAG System - Implemented a part of Retrieval system within a React + Vite web application using a mind map approach. The system was designed to seamlessly integrate with an LLM, facilitating the generation of more contextually appropriate responses. Link - https://my-mind-map.netlify.app/

Technologies include:

Python, OpenAI/Azure OpenAI, NLP, LLMs, Generative AI, HuggingFace, PyTorch, TensorFlow, Transformers, Langchain, APIs, Streamlit

CERTIFICATIONS

Microsoft

PL-300 : Power BI Data Analyst Associate

Sept '23 - Sept '24

SKILLS

Client Services and Relations — 1+ yrs

Communication - Written and Verbal — 6+ yrs

Python — 4+ yrs

Machine Learning / AI — 2+ yrs

Power BI — 1+ yrs

Data Structures and Algorithms — 1+ yrs

Azure, DataBricks — 1+ yrs

MS Excel — 1+ yrs

SQL — 2+ yrs

C++, Java — 2+ yrs

REST API — 1+ yrs

GIT — 2+ yrs

Associate Data Analyst (Full-Time)   July '23 - Present
Aays Analytics, Gurugram

- Utilizing Power BI dashboards, Excel, Azure, Databricks and Probelem solving to provide valuable insights into the business challenges encountered by clients.
- Power BI reporting – worked on PBI reporting of innovation projects and finance projects of a client. Developed complex DAX measures to solve business problems. Created various complex Power BI capabilities like dynamic user input based visualizations, 3x3 Simulation Grid and more.
- Worked with clients to bring wireframes to life, understand their requirements and pain points, and finally suggest and execute the solutions decided upon.
- Testing - Performed testing in Excel using Vlookups/Pivots and developed various SITs for data assets.

Technologies include:

Power BI, Azure, DataBricks, SQL, SSMS, Python, Excel, Power Point

Achievements include:

Immense Client Appreciation for handling a very complex project.

MENTORSHIP EXPERIENCE

Python Lead Student Mentor (Internship)   Aug '22 - Sep '22
IIT Madras, Remote

- Managed and led a team of two sub-mentors and a group of 16 students
- Organized 2-hr Python coding sessions everyday and helped the students with their doubts. Gave hints and demonstrated concepts as per need - Focusing on Code-First Approach.

Achievements include:

- Students who had failed their programming exam took these sessions and everyone was able to pass easily after attending them.
- One student was able to solve the entire 2 hr paper correctly in just 20 mins.

VOLUNTEERING

Make A Difference, Delhi

Academic Support Volunteer

Nov '22 - Nov '23

MAD is a youth-driven, non-profit organization working with Child Care Institutions across 23 cities supporting 3500+ children and youth in India.

As an academic support volunteer, I was given the opportunity to teach young kids and help them dream and lead to a brighter future. I worked at a Child Care Institution (Shelter Home) and more than imparting CBSE/Schooling education I aimed at helping the kids dream for a better and more fullfilling life :)

LINKS

PROJECTS

1. Big Mart Sales Analysis & Prediction   `July '23 - Aug '23`
Data Science

- Performed Data Cleaning, EDA, Pre-Processing, Modelling and Hyperparameter Tuning
- Models used - Linear, Polynomial, Ridge, Lasso, SGD Regression; Decision tree, Random Forest, XGBoost
- Link - `https://github.com/komalchamyal/bigmart-analysis`

Technologies include:

Python - Sklearn, SHAP, NumPy, Pandas, Matplotlib, Seaborn

2. Car Sale in Russia Analysis   `Oct '22 - Nov '22`
Data Analysis and Visualization

- Performed Data Cleaning, Data analysis and Visualisation of a car sale dataset of Russia
- Link - `https://github.com/komalchamyal/DAV-Project`

Technologies include:

Python - NumPy, Pandas, Matplotlib, Seaborn

3. Urban Shopper - Grocery App   `Dec '23 - Jan '24`
Web App

- Grocery app like blinkit/swiggy. Logging in as admin and managers (RBAC). The user can log in and add items from different categories to their carts and checkout. Backend daily reminders and a monthly analysis report also sent to the user.
- Link - `https://github.com/komalchamyal/grocery-app`

Technologies include:

Flask, Vue.js, Redis, Celery, SMTPLib