



# KOMAL CHAMYAL

Business Analyst and Data Scientist

## EDUCATION

**2020 - 2023**

**B.Sc. Computer Science (Hons)**  
Hansraj College, DU

**CGPA - 8.63**

**2021 - 2022**

**Diploma in Programming**  
IIT Madras

**CGPA - 8.0**

**2020**

**AISSCE (Class XII)**  
Aryaman Vikram Birla Institute of Learning Haldwani, Uttarakhand

**Score - 97.25%**

## CONTACT

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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. 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 Analyst (Full-Time)**

**Aays Analytics, Gurugram**

**July '23 - Present**

- Utilizing Power BI dashboards, Excel, Azure, Databricks and Problem 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, Python, Excel, Power Point

### Achievements include:

Immense Client Appreciation for handling a very complex project.

# 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 Scientist (Full-Time)  
Aays Analytics, Gurugram

Nov '23 - Present

- 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 pyesseract 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 Retrieval system within a React + Vite web application using a mind map, enhancing the retrieval process. The system was designed to seamlessly integrate with a LLM, facilitating the generation of more contextually appropriate responses. Link - <https://my-mind-map.netlify.app/>

## Technologies include:

Python, OpenAI, NLP, LLMs, Deep Learning, HuggingFace

# CERTIFICATIONS

Microsoft Certified: Power BI Data Analyst Associate

Sept '23 - Sept '24

IIT Madras Online Degree in Data Science and Programming: Diploma in Programming

Aug '21 - Present

# INTERNSHIP

Python Lead Student Mentor (Internship)

IIT Madras, Remote

Aug '22 - Sep '22

- 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.

## 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

## Academic Support Volunteer

### Make A Difference, Delhi

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 education I aimed at helping the kids dream for a better and more fulfilling life :)

# PROJECTS

## 1. Big Mart Sales Analysis & Prediction Data Science

July '23 - Aug '23

- 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 Data Analysis and Visualization

Oct '22 - Nov '22

- 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 Web App

Dec '23 - Jan '24

- 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, Vuejs, Redis, Celery, SMTPLib

## 4. Mind Map App Web App

Nov '23 - Dec '23

- Import headers from CSV file, Create mind map using nodes and edges and Export it in json format
- Made to integrate with LLM as an information Retrieval tool
- Link - <https://my-mind-map.netlify.app/>

### Technologies include:

React+Vite, HTML, CSS, Javascript