KOMAL CHAMYAL

Business Analyst and Data Scientist

SKILLS

Skill	Experience
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

CONTACT

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PROFILE

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

Dynamic and Results-Driven Professional in Business and Technology.

I have been enthusiastic and passionate about Programming and Data since 6 years (high school). I started working 1 year ago at Aays Analytics (Start-Up) where I realised I have a great knack for Business as well. I specialize in problem solving. That has made me a fundamental expert in machine learning, data analysis, modelling and client services/relations. I'm known for applying technical expertise as well as business knowledge to drive impactful projects. I exhibit robust leadership, communication, and problem-solving capabilities while being dedicated to automating day-to-day challenges using code. I have a fast learning curve because of my logical and analytical approach. Pursuing opportunities to leverage technical acumen and soft skills to drive transformative projects and achieve organizational success.

WORK EXPERIENCE

Associate Data Analyst (Full-Time)
Aays Analytics, Gurugram

July '23 - Present

- 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, Python, Excel, Power Point

Achievements include:

Immense Client Appreciation for handling a very complex project.

EDUCATION

2020 - 2023

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

CGPA - 8.63

Relevant Courses
Data Structures and Algorithms, Software Engineering, Digital Image Procession, Information Security, ML, AI, Operating System, Computer Networks.

Minor
Mathematics

2021 - 2022

Diploma in Programming
IIT Madras

CGPA - 8.0

Relevant Courses
System Commands (BASH), Modern Application Development (Python Flask+Vue.js), Database Management Systems, OOP-Java

2020

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

Score - 97.25%

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 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) `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.

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 to ensure better outcomes for children in need of care and protection (CNCP). We are currently working with Child Care Institutions across 23 cities supporting 3500+ children and youth in India. MAD today is India's largest youth organization with various awards and recognition to its credit.

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) and more than imparting CBSE education I aimed at helping the kids dream for a better and more fullfilling 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, Vue.js, 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

5. MyKanban App
Web Application

- My Kanban is your personalized Kanban board where you can make your lists and add To-do tasks into them. (CRUD operations) MVC architecture followed. APIs provided with documentation.

- Code - `https://github.com/komalchamyal/myKanban`

- Hosted - `https://mykanban.komalchamyal.repl.co/`

Technologies include:

Python-Flask, REST API, SQL-Alchemy, Bootstrap, HTML, CSS, JavaScript, Swagger Editor

6. Self Quantified App
Web Application

Feb '22 - Mar '22

- Self-Quantified App is used to make custom trackers and add logs corresponding to it. The application displays all the respective trackers and logs along with graphical trendlines.

- Code - `https://github.com/komalchamyal/SelfQuantified`

- Hosted - `https://self-quantified-application.komalchamyal.repl.co/`

Technologies include:

Python-Flask, SQL-Alchemy, Bootstrap, HTML, CSS, Python (MVC design)