

# MOHAMED KAYSER K.S

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## PROFILE SUMMARY

Analytics professional with 1+ year of internship experience in 5+ tech firms across 3+ industries. Demonstrated expertise in diverse analytics roles, successfully delivering 15+ projects to solve industry-specific challenges. Proven track record of effectively managing projects for 3+ clients, consistently meeting expectations and delivering accurate, real-world solutions.

## FUNCTIONAL AREAS

- Data Analytics & Exploration
- Business Intelligence
- A/B Testing and Experimentation
- Machine Learning & AI & NLP
- Database Management & Cloud
- Statistical Analysis & Interpretation

## TECHNICAL SKILLS

- **Advanced Excel** – Data Analysis, Pivots, Charts, Look ups, Power Query, Power Pivot, Macros, and VBA
- **SPSS** – Statistical Testing, DOE, Regression Modeling, Factor Analysis, Data Reduction, Hypothesis Testing
- **Python & R** – Pandas, NumPy, Matplotlib, Machine Learning, NLP, APIs, ggplot2, dplyr, tidyverse, Time series
- **SQL** – Database Design, PostgreSQL, MySQL, BigQuery, Joins, Subqueries, Stored Procedures, ETL
- **Power BI & Tableau** – Data Modeling, DAX, Visualizations, Dashboards, Q&A, Drill Downs, Decomposition Tree, Slicers
- **HTML, CSS, JS** - Front-end Design, Web Application, Deploying & Integrating ML, Flask, Streamlit, Shiny

## WORK EXPERIENCE

### Fractal Analytics, Chennai

- **Decision Scientist - Consultant** **11/2024 - Present**
  - **Developed** and **maintained** Power BI dashboards aligned with **business KPIs**, improving data visibility and decision-making.
  - **Migrated data pipelines** from **Excel to PostgreSQL**, restructured data models (12+ tables), redefined DAX measures, and validated **7M+ rows**.
  - Rebuilt and **optimized dashboards** post-migration, ensuring performance and data accuracy across multiple sources.
  - Led **Qlik-to-Power BI dashboard** transformation, managing complete **ETL, data modeling, and visualization** lifecycle.
  - Collaborated with cross-functional teams and participated in **stakeholder meetings** to drive project delivery and continuous improvement.
  - Contributed to **Finance GBS** Capstone Project to reduce overdue payments by developing actionable Power BI insights **for leadership**.
- **Data Science & Analytics Trainee** **05/2024 - 10/2024**
  - Trained in **11+ Technologies** from **Excel, SQL, Python** to Cloud fundamental and data engineering
  - Done **2+** Capstone Projects in Excel Sales Analysis reports and Powerbi Dashboard for **Delivery Clients**

### AutonoPros, India, Hyderabad

- **Data Science Consultant** **11/2023-05/2024**
  - Focused on **building** a comprehensive **data science product** from the ground up for our **clients**.
  - Currently engaged in the **research and project development** phase, This involves gathering requirements and laying the groundwork for **data analysis and Model implementation**.

### Indian Port Association - Chennai, India

- **Statistical Analyst - Planning & Research - Intern** **12/2023- 01/2024**
  - Leveraging advanced **Statistical Analysis** techniques to derive actionable insights from **port data** spanning the last 5 years (**2018-2022**).
  - Resulting **report insights** will be presented to the **Planning and Research** Department to inform and guide future **decision-making** processes.

SquareOff, India, Chennai

- **Data Analyst - Intern** 08/2023- 11/2023
  - Implemented a **Streamlit** Application for **analyzing stocks** across various symbols, utilizing historical data comprising 100,000+ rows from **2007 to 2023**
  - Development led to a **5% reduction in internal operations** workload and significantly enhanced productivity and **decision-making** processes.

PredictRAM, India, Delhi

- **Financial Research Analyst - Intern** 01/2023- 02/2023
  - Performed stock analysis and [financial research](#), delivering **15% portfolio** gains and **18% cost efficiency**.

The Sparks Foundation, Singapore, Remote

- **Business Analyst - Intern** 09/2022- 10/2022
  - Developed a [student score prediction ML app](#) using Flask & Python, improving **model accuracy by 25%**.

EDUCATION

- **Bachelor's Of Science [B.Sc] [Statistics]** 06/2021 – 05/2024
  - Loyola College, University of Madras [CGPA 8.35]
- **Master's Of Science [M.Sc] [Data Science]** 08/2024 – Present
  - Vellore Institute of technology (VIT) - Online

PROJECTS

- **Intelligent City Data Search Engine | Python LLM | SQLite | LlamaIndex | Google Gemini AI | [Proof](#)**
  - Developed an **AI-powered** city data search engine integrating **SQLite, LlamaIndex, and Google Gemini** to retrieve structured population data, search city documents, and answer complex queries with enhanced **accuracy and natural language** understanding.
- **Gemini Project Generator | Streamlit | Google Gemini API | Python | Data Roles | [Proof](#)**
  - Developed a dynamic **Streamlit app powered by Gemini API** to generate 50+ **tailored project ideas** with execution guides for data roles. Enables users to explore **personalized projects by role, tool, and industry**, improving ideation speed by 70% and increasing **user engagement via intuitive UI and automated insights**.
- **Amazon Product Recommendation| Python | Flask | Recommendation System | [Proof](#)**
  - Implemented a **collaborative filtering-based recommendation system** prototype in Python Using Amazon Product reviews datasets with **100k+ rows** that provides **Similar and complementary** products with 85% relevancy through a user-friendly web application **Facilitating exploration and boost retail sales and customer interaction**
- **Electricity Hourly Demand Prediction | Python | Machine Learning | Advanced Regression | [Proof](#)**
  - Designed and implemented a **predictive model** using **Python and ML** techniques to forecast hourly electricity demand for power grid management, enabling proactive **load balancing and reducing supply-demand mismatch** by 30%. The project handled real-time data, **feature engineering, and time series modeling** to ensure optimized energy distribution.
- **Diseases Prediction| Python | Streamlit | Machine learning | Classification | [Proof](#)**
  - Launched a disease prediction web application with **Streamlit by collecting 1000+ rows** of data from different sources for each disease and **logistic regression** techniques for predicting **likelihood of diseases**, such as Stroke, Heart, Diabetes, Cancer, and Kidney diseases

MENTORSHIP

- **Placement Coordinator** for Statistics Department, Executed the placement process for 40+ students
- **Health Team Head** for Outreach Department, Led a team of 60+ students for 1 entire Academic Year
- **Conducted Webinars** for Statistics For Beginners and Building Portfolio Website with 100+ Attendees

## CERTIFICATIONS

- **Google Professional Data Analytics:** Completed Google Data Analyst Certification in Coursera (95% Pass Rate)
- **R Programming for Statistics and Data Science:** Completed the 1st course R Programming in Udemy

## ACHIEVEMENTS & AWARDS

- **LinkedIn Top Voice** for Data Cleaning Contributions to Collaborative Articles consistently
- **Star of the Batch** Award for best performance during training in **Data Science in Fractal Analytics** among 300+ People
- **Best Visualization:** Won 2nd prize for the Visualization Competition for World Cancer deaths data Among 200+ Students
- **Topmate Top 5% :** Service provider Among 1000+ Mentors For 1:1 Mentorship and Portfolio Website Guide

Explore my portfolio for detailed insights into my work (20+ Projects).Scan the **QR code** or visit [www.mohamedkayser.com](http://www.mohamedkayser.com)

