MOHAMAD SABIQ

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TECHNICAL SKILLS

Programming & Data Tools: Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, MySQL, BeautifulSoup, Selenium
Machine Learning & Deep Learning: Scikit-learn, XGBoost, LightGBM, Supervised Learning, PyTorch, Transformers
MLOps & Deployment: MLflow, DVC, DagsHub, Docker, Git, CI/CD Pipelines, Flask, Streamlit, Apache Airflow
GenAI & Computer Vision: OpenAI GPT, Hugging Face, LangChain, Stable Diffusion, YOLO, OpenCV
Big Data Technologies: Apache Hadoop, Apache Spark
Cloud & Visualization: AWS, Tableau

EXPERIENCE

LOGIC PLUM | Data Scientist — Kerala, India | Aug2023 - Present

- Achieved a **95% on-time project completion** rate by collaborating closely with a team of six data scientists, supporting cross-functional workflows and quality assurance processes, and contributing effectively across multiple projects.
- **Reduced data processing time by 40%** by implementing efficient workflows across the data science lifecycle, overseeing requirements gathering through to solution validation and deployment.
- Solved complex real-world problems by building **ML-driven tools,** from cutting physician hiring time by **30%** to boosting property valuation accuracy by **15%** through smart use of **data, vision models, and LLMs**.
- Drove **cross-departmental alignment** by facilitating collaboration between data science, product, and engineering teams, while engaging directly with clients to align project goals with business objectives, ensuring deliverable clarity and **increased stakeholder trust**.
- Promoted from Junior Data Scientist to Data Scientist over two years, reflecting **consistent performance** and **leadership**.

PROJECTS

Physician Hiring Application

- Developed a data-driven application to optimize physician hiring, enhancing **candidate relevance** and **reducing churn risk** by implementing supervised machine learning algorithms and analyzing career history and professional connections.
- Managed **large-scale data processing**, including feature engineering and mapping connections across 1.1 million physician profiles.
- Reduced physician hiring time by an **estimated 30%**, optimizing resource allocation and staffing efficiency, with over **70%** of the connections established matching real-world relationships.
- Collaborated closely with backend engineers and project managers, facilitating project development and stakeholder knowledge transfer.

Aesthetics of Properties

- Developed a data-driven model to assess **property aesthetics** within neighbourhoods, generating aesthetic, suitability, and comprehensive scores based on **architectural style, color, material,** and **environmental factors**.
- Implemented **YOLO v8** for architectural style classification and house segmentation, **K-means clustering** for dominant color detection, and **Swin Transformer V2** for material identification.
- **Leveraged LLM** to generate detailed insights, explaining score variations and providing recommendations for enhancing property aesthetics and neighbourhood cohesion.
- Enabled comparative analysis of 20+ neighbourhood properties per evaluation.
- Delivered actionable insights for **real estate stakeholders**, supporting data-driven decision-making and promoting **visually harmonious property development**.

ACHIEVEMENTS & AWARDS

- **1st Place – Innovation Hackathon, Logic Plum (2024):** Developed an AI-powered **property aesthetics evaluation model**, utilizing **YOLO, Swin Transformers V2, and LLMs** to analyse architectural styles, colors, and materials, providing actionable real estate insights.

EDUCATION

- **B.Tech, Electronics and Communication Engineering** — Kerala, India | Aug2018 – Aug2022
  MES College of Engineering, Kuttippuram, Kerala, India
- **Internship, Big Data and Data Science** — Kerala, India | Aug2022 – Aug2023
  Luminar Technolab, Kochi, Kerala, India