Kovid Sharma

(+91) 94107xxxxx | kovids@u.nus.edu | LinkedIn

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)
Singapore
Master of Science in Business Analytics   Jul 2023 – Sep 2024
- GPA – 4.09/5
- Secured a position in the **top 8 out of 80 participating teams** in the highly competitive **NUS-NCS Innovation Challenge** aimed towards transforming the transportation system in Singapore.

DEHRADUN INSTITUTE OF TECHNOLOGY
Dehradun, India
Bachelor of Technology, Computer Science and Engineering   Aug 2018 – June 2022
- CGPA – 8.35/10

EXPERIENCE

MUNICH RE   Singapore
Data Scientist Intern   May 2024 – Sep 2024
- Developed **predictive modelling solution** to estimate the risk of diseases in insurance applicants, enhancing the underwriting process with data-driven insights leading to potential **10% improvement in auto-underwriting decisions**.
- Enhanced solution performance and conducted rigorous validation by utilizing various types of data to evaluate accuracy and reliability, ensuring the feasibility of model deployment in production.
- Employed **DeBERTa** model trained on medical NER dataset to accurately identify medical entities in the interview data, successfully **flagging 3.4% non-disclosure cases** during applicant interview.
- **Fine-tuned the in-house LLM** on a meticulously curated drug dataset to enhance its ability to effectively capture potentially non-disclosed medical conditions.

NATIONAL UNIVERSITY OF SINGAPORE (NUS)   Singapore
Research & Development Intern (CognideX)   Jan 2024 – Apr 2024
- Researched different business models, tokenomics and Proof-of-Stake blockchain networks to help **design incentive mechanisms** for a data exchange platform.
- Collaborated with Research Scholars and Co-Director of MSBA to **devise business strategies** to attract new customers and reward active users on the platform **promoting user engagement**.
- Built smart contracts in ink! (Rust) to implement **tokenomics for incentivizing users** with multi-purpose platform-based token rewards.
- Created a new token and linking it with SubWallet which can be used to buy datasets available on the platform.

MAQ SOFTWARE   Noida, India
Software Engineer 1 (Data Analytics)   Jul 2022 – Feb 2023
- Coordinated with multiple teams on client projects to curate business requirements and design mockup dashboards.
- **Optimized queries** for streamlined data extraction from Power BI datasets, Analysis Servers, and SQL databases, **reducing overall query time by 50%**.
- Designed user-friendly Power BI dashboards revealing valuable insights into user trends to empower stakeholders for data-driven decision-making with **consistent monthly views exceeding 300**.
- Delivered comprehensive analyses of key metric performance stakeholders, enabling informed business decisions.

PERSONAL PROJECTS

EDUBOT – Your Guide to Education at NUS
- **Developed Multi-Agent Chatbot in Streamlit** – Built a student-facing chatbot using LangChain, enabling accurate, topic-specific responses across multiple courses offered at NUS.
- **Utilized OpenAI GPT-3.5 and ChromaDB for NLP and Embedding** – Ensured relevant, high-quality responses using advanced embeddings and language models for diverse academic and student life queries.
- **Improved LLM Performance with LangChain ReAct** – Applied LangChain's ReAct framework for multi-agent reasoning, ensuring consistent, accurate answers across a wide range of topics and reducing hallucinations.

intelliMausam (Live Link)
- Led a team of 4 members to create an AI and IoT based weather station to forecast localized weather with **92%** accuracy.
- **Collected meteorological data using IoT sensors** for ground temperature, humidity, and pressure, processed and stored the data on a Firebase server.
- Deployed and hosted a deep learning solution on self-collected data to make next 5 days' weather predictions on GitHub.

SKILLS AND ACHIEVEMENTS
- **Technical Skills:** Python, SQL (PostgreSQL), Java, Power BI, Machine Learning, Deep Learning, NLP, Data Mining, Data Analysis, Scikit-Learn, TensorFlow, NumPy, Pandas, PySpark, Matplotlib, Plotly, Seaborn, Flask, AWS, Docker, Beautiful Soup, Selenium, Blockchain.
- Exercised leadership by heading a team of 3 members to devise a web application focused on monitoring daily COVID-19 cases and hospitalization records in Hack-in-India Hackathon.