Manish Kumar

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SUMMARY

A data science professional with 4 years of experience in developing AI solutions in the Drug Discovery domain. Experienced in collaborating with multi-billion dollar clients in a high-paced environment and delivering high-quality end-to-end solutions for Machine Learning projects.

EDUCATION

The University of Chicago   Sept '22 – Present
Master of Science in Analytics

Indian Institute of Technology, Bombay   July '14 – July '18
Bachelor of Technology in Chemical Engineering

EXPERIENCE

Full Stack Data Scientist, *Aganitha Cognitive Solutions, Hyderabad, India*   Sept '20 – June '22
- Trained ML/DL models for various tasks such as predicting quantum descriptors of molecules, classifying molecules into low vs high solubilities, and identifying high-yielding reactions, saving scientists experimentation time and lab expenditures
- Developed a ReactJS-based website with neo4j as the backend that can efficiently search millions of research papers related to any topic in real-time to enable a faster intelligence solution for R&D scientists
- Managed and trained teams by writing tutorial blog posts, designing quizzes, and collating study materials for both technical and domain scientist roles, reducing the onboarding time from months to weeks

Jr Data Scientist, *Aganitha Cognitive Solutions, Hyderabad, India*   Sept '18 – Sept '20
- Spearheaded the company's transition to AI in the Drug Discovery domain by exploring the tools needed, learning, and then educating the rest of the team
- Improved customer experience for a client by automatically classifying incoming customer emails into various categories and assigning a ticket number, reducing the waiting time from 2 days to 5 minutes
- Built an Airflow-based framework to visually monitor the progress of various ETL pipelines

Machine Learning Intern, *Global Growth IOC, Faridabad, India*   May '17 – July '17
- Carried experiments using RNNs and GRUs to provide a word prompt when a user starts typing
- Setup a QA chatbot, reducing the number of customer calls by 10%

SKILLS

Python, R, PostgreSQL, Docker, Neo4j, Kubernetes, JavaScript, ReactJS, HTML, CSS, Linux, Git, Airflow, Jupyter Notebooks, GraphQL, Bash, Tensorflow, Keras, RdKit, Sklearn, Pandas, NumPy, Data Science, Machine Learning, Deep Learning, Neural Networks, NLP, RNN, NWChem