Praveen Kumar V – Data science, AI – 13 plus Yrs – IIIT Hyderabad

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Executive Summary

Highly skilled data science professional, leader, adept at translating business problems into actionable data-driven solutions. Proficient to apply respective skills to deliver innovative scalable and impactful results that align with organizational goals.

Exploring potential Analytics Leadership roles that leverage experience gained across – diverse areas in

- Business Transformation
- Pharma Mfg, eCommerce, D2C
- Innovation, Strategic Thinking
- People Excellence & Team management
- Business Leadership Communication
- Stakeholder Success Enablement

Analytics Technical and Leadership Competencies

- Hands on Execution
- Proficient Analytical, Problem-solving skills
- Product Management, vision implementation
- Data Engineering and pipeline development
- Data Visulisation and communication
- Analytics, ML, NLP, AI Solutioning
- AI (LLM, RAG, Embeddings) skills
- Statistical Analysis, EDA-Insights
- Predictive, Cluster Modeling
- Deep Learning Frameworks
- Cross functional Collaboration
- Business Acumen, Design Thinking
- Mentorship and Coaching
- Continuous Improvement mindset
- Python programming, Cloud skills

Academia

- Full Time PG (MSIT) 8.21/10 CGPA, **IIIT-Hyderabad, 2007-2010.**
- Full Time B.Sc. (Mathematics, Physics, Chemistry), Osmania University- Hyderabad, 2002-2005.

Certifications

- Product Management certification, **ISB Hyd, Feb to May 2023.**
- Recently graduated in a **2-month in-class** "Leadership" training program offered by Samsung partnered with Knolskape.

Hands on Technologies

Data science / AI Python libraries: Pandas, Scikit-learn, Seaborn, Numpy, Spacy, Gensim, statsmodels, PyPDF, BeautifulSoup, LangChain, Llamaindex. **Others:** Linux Shell Scripting, OOPs-Java.

Machine learning / AI models techniques:
Linear Regression, Logistic Regression, Decision Tree Models, Bagging & Boosting Ensemble models, Naïve Bayes, KNN, Neural Networks, SVM, K Means, Encoding, Data Cleaning, Feature Engineering, Regularization, Normalization, LLMs, Vector DBs.

Projects (reverse chronological order): Highlighting few of interesting projects, not listed many other ad-hoc short projects.

1. Samsung R&D Institute, Bangalore, Data science Manager   (Since June 2022)

Technologies used: BigQuery SQL, Superset, open source LLMs, RAG, Milvus, LangChian, LlamaIndex, Steamlit, Docker

- Analyzed global D2C data, highlighted customer pain points towards successful product purchase in our ecommerce portal
- Increased D2C sales significantly at several countries by fixing customer drop areas in customer experience journey
- Owned, built a state-of-the art AI solution in NL to SQL space, that increased the TAT of delivering critical analytics insights
- Designed, Developed, Delivered several critical high visible short analytics projects / Insights
- Lead a team of 15, that includes Data Engineers, Data Analysts, Data Scientists

2. Gramener, Hyderabad, Lead Data Scientist   (July 2019 to June 2022)

Clients: DrReddys Laboratories (Pharma), Dubai Tourism (Govt)

Technologies used: Python's scikit learn, Exploratory Analysis, ML Regression & classification – ensemble models, Flask, Camelot, Statistical Models, NLP – Process FDA data, OCR models, CNN, DataIku, R Studio

- Optimised the drug mfg stages to achieve consistent yield using predictive models, that saved $20M worth of production loss
- Built predictive models on IVIVR (InVitro, InVivo) drug release data that reduces the experiments to quickly arrive at conclusion
- Built NLP models on FDA Inspection data, that helps org to know FDA Auditors focus areas in prior to their visit to the Mfg Plant
- Scraped and analysed a health care website to utilize the data to build strategies for sales & marketing
- Analysed Tourism data and shared insights to Tourism department of Dubai govt to support country's tourism revenue growth
- An Individual contributor, also a Lead that managed 5 data analysts

3. DataJango, Hyderabad, Partner Datascientist / Trainer /Consultant   (Jan 2019 to July 2019)

Technologies used: Datasciece related Python libraries, Text modeling (NLP) techniques, Keras, Tensorflow, Pytorch, C/RNN models.
- Partnered with this organisation to develop Datascience course content, and offer respective hands on trainings
- Being an analytics consultant helped several startups to build Datascience capability & competency in their organisation
- Built RNN models (PoC) to automate Customer Service operations of a reputed Indian Power company

4. Mphasis, Hyderabad, BigData Analyst   (Sep 2017 to Aug 2018)

Client: JP Morgan & Co.

Technologies used: Spark, Scala, Java, REST API, Org's own software frameworks.
- Developed Spark scripts to perform data transformations in a large scale data ingestion pipeline
- Built a Spark job trigger & monitoring script to achieve speed and efficiency in successful data migrations
- Analysed CCF data to prepare features for respective ML models

5. Bridgei2i Analytics Solutions, Bangalore , Senior Analytics Consultant   (May 2015 to Sep 2017)

Client: Internal, Ab-inbev, P&G, Bajaj Finance.

Technologies used: Hive, Apache Spark, REST API, R Studio, Python Pandas, Numpy, statsmodels, sklearn, NLTK
- Contributed in building org's products in Marketing space.
- Developed a 'Lead Engine' using Intent Marketing concepts to identify potential Leads in B2B domain
- Generated insights for Finance, and retail sectors using cluster analysis, and exploratory analysis techniques
- Built SKU recommendation engine (a predictive model) for a popular retail organisation
- Offered ad-hoc analysis support to several analytics projects simultaneously

6. IBM India, Bangalore, Unix Operations Professional   (July 2011 to Feb 2015)

Client: Internal

Technologies used: AIX, Solaris, VIOS (power VM), HMC, Linux-RedHat setup & migrations, IBM/HP/ECM storage migrations, HACMP/PowerHA Cluster builds, Apache Hadoop, IBM Infosphere.
- Majorly accomplished server migrations from legacy systems to modern virtual IBM infrastructure
- Automated Unix/Linux OS upgrades, and patches installations
- Performed Computing resources management and Storage management following business demands
- Configured & managed Power HA clusters, Hadoop Clusters.
- Developed MapReduce programs to benchmark data transformations

7. JNTU/ IIIT, Hyderabad, Assistant Mentor for MSIT program   (for 4 Months in Year 2010)

Technologies worked with: eCommerce technologies - Enterprise Java Beans, PHP, Java Script, Android Development, Data Structures, Java, Pearl, Python Programming Languages, Shell Script, MySQL, Postgres DDL, DML, MS Office.

- Designed, and developed the content for several IT courses to be offered for MSIT Program
- Mentored and offered eCommerce projects for MSIT program students at JNTU, IIIT H learning centers
- Conducted weekly assessment, evaluated and provided the feedback, assigned credits.