

Abhijith K V – Data Scientist Resume

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ACADEMIC PROFILE

IIT Madras,
IIPS School, Kerala

Bachelor of Technology (B. Tech), CGPA 7.58 /10
Class XII – Computer Science, CGPA 9.4 / 10

WORK EXPERIENCE

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|--|------------------------------------|---------------------|
| Data Scientist | NineStacks Gaming LLP (Internship) | Nov 2020 – Feb 2021 |
| <ul style="list-style-type: none">Experienced in Build, train and deploy Machine Learning Models and working in production environment setup.Conceptualized a machine learning Forecasting model using XG Boost to predict the customer lifetime value for helping to improving customer retention taking decisions on customized gamification.Conceptualized a flag system to improve the identify early dropout user saving ~15% reward points spendProficient in SQL, and in Python libraries like NumPy and Pandas for data manipulation, Statistics and data transformation into actionable recommendations utilizing Data Visualization libraries like MatplotlibFamiliarity with Cloud based AWS tools like S3, EC2 AWS Lambda, Amazon Redshift, AWS SageMaker & version control via Git | | |
| Manager, BSG – Retail Liabilities | Kotak Mahindra Bank Limited | July 2022 – Present |
| <ul style="list-style-type: none">Performed Exploratory Data Analysis on customer behaviour during onboarding and identified a financial loss of 25 Lakhs on Kotak CA journey due to customer drop-off in Funding page. Proficient in using Python and SQL for data analyticsHandled the Software Development & delivery Life cycle and associated with development of Kotak CA onboarding product.Experienced with Agile development methodology using Azure DevOps. Worked with AWS services like S3, DynamoDB etc.Collaborated with the SDE team to enhance software reliability performing QA tasks, including API and integration testingApt at Micro-services, data bases and API integrations done for Kotak Unified CA. worked on testing to ensure reliabilityReceived awards and commendation from senior management for exemplar performance in contributing towards a record of 50,000 Kotak Digital Current Account customers onboarded 3 months through the digital platform built inhouse | | |

PORTFOLIO AND PROJECTS

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|---|--|--------------------------------------|
| LLM & Gen AI | Q&A RAG based Chatbot - Live Link | Project link: GitHub |
| <ul style="list-style-type: none">Developed and deployed an End to End Chatbot application using Lang chain framework for users to and ask question about with context to the data uploaded with RAG. Utilized both Open AI gpt-4o & Anthropic Claude-sonnet-3.5 model for LLM inference and vector embeddingsUtilized Streamlit for creating user interface. Explore various avenues of Finetuning model response via Prompt Engineering to improve model performance.Implemented production ready code and applied CI-CD pipelines for the project. The application also allows multiple users to simultaneously use the application via unique session id | | |
| Predictive Analytics | <u>Propensity Modelling – Product purchase project</u> | |
| <ul style="list-style-type: none">Engineered a Propensity model using SVM & XG Boost model for product purchase based on customer behaviour on product page. The model accurately classified nearly 88% of the prospective customers.Apt in utilizing feature engineering, normalization and dimensionality reduction techniques such as PCA | | |
| NLP Project | <u>Chatbot - Customer Intent Prediction</u> | |
| <ul style="list-style-type: none">Showcased a model for a Chat bot Intent prediction NLP project using Random Forest Classification model –to assist agents for easy flagging of negative response given by customer.Leveraged NLP techniques for projects involving data extraction, Name Entity Recognition (NER), Sentiment analysis, Information retrieval. Proficient in NLTK, Gensim, Spacy, regex, TF-IDF for the same | | |
| Time Series Project | <u>Hourly Call volume forecasting Project</u> | |
| <ul style="list-style-type: none">Expertise in working with Time series data and feature extraction & data transformation techniquesImplemented a forecasting model for customer call volume prediction in call centerUtilized Lasso and Ridge regression to achieve the same. Compared performance with ARIMA & LSTM | | |

RELEVANT SKILLS

- Highlights: Python, SQL, Data analytics, NLP, Time series, TensorFlow, Pytorch, Langchain, OpenAI, Open Source, Hugging face
- Others: Git, version control, Pandas, NumPy, NLTK, scikit-learn, XG Boost, Decision Tree, Linear regression, GPT, Keras, BERT, Logistic regression, feature engineering, Hypothesis testing, Gradient descent, Probability, Statistics, Transformers, Develop, train, and evaluate predictive AI models, Deploy models into production environments, monitoring, Structured and unstructured data