**Prachi** (Azure ML Engineer)

**Noida, India**

**Professional Summary:**

* Around 3+ years of IT experience in various ML tasks and Azure services, focused on end-to-end SDLC process beginning from requirement gathering to presenting demos and deliverables.
* Worked with MySQL Relational Databases, Cosmos DB and worked with various kinds of data formats like JSON, CSV, Parquet.
* Worked with advanced MS Excel with various time series related scenarios.
* Developed Azure native application and deployed ML models and have experience in working with Azure ML/AI services like Machine Learning Workbench, Cognitive Services, Speech Services.
* Worked with Azure compute services Virtual Machines, Functions Serverless Compute and Container Instances, Azure Data Migration Service, Serverless Application deployment on Azure platform.
* Worked with Azure Streams Analytics, Azure Event Hub, Azure HDInsight, Azure SQL Data Warehouse and worked with ETL services Azure Data Factory, Data Catalog and Logic Apps.

**Educational Qualification:**

**Technical Skills:**

* **Programming Languages**: Python, PySpark
* **Databases**: MySQL, CosmosDB, Table Storage
* **Deployment Platform:** Azure
* **Azure Services**: Azure Blob, Azure Data Lake Analytics, Azure HDInsight, Azure Search, Azure Steam Analytics, Azure Event Hub, Azure SQL Data Warehouse, Power BI, Azure Data Factory, Azure Data Catalog, Logic Apps, Bot Service, Speech Recognition API, Emotion API, Face API, computer Vision API, Azure Machine Learning Workbench
* **Frameworks-** Sci-kit learn, Tensorflow, Bot Framework
* **Tools** : Git, PyCharm, Anaconda, R Studio, SSMS, Azure Visual Studio, Jupyter Notebook, Eclipse, VisualStudio
* **Data Visualization-** Tableau, PowerBI, Plotly, Matplotlib, Seaborn,Bokeh

**Responsibilities:**

* **Customer Feedback Application-** Captured voice through Azure Bit Service, made NLP Interaction model and used Azure Speech Recognition API, Emotion API for Sentimental Analysis and Feedback Classification
* **Attendance Recognition System-** Capturing frames through Azure computer vision API, Face API, Object-Identification model, Face-Recognition, Azure functions for backend logic, CosmosDB for result storage and UI displaying attendance in real-time
* **Invoice Billing Automation-** Captured data from Invoice bills, used Azure Text Analytics, Refined the logic on raw output to extract distorted information, Able to get 99 percent accuracy
* **Online Exam Proctoring Solution-** Frames ingested through Azure Stream Analytics, Backend Functions for Azure Computer vision API, Distributed load across different regions, API Gateway for exposing the API
* **Data Pipeline For Telematics Data**- Did migration from IBM cloud to Azure, Designed Architecture using the Azure services, Set up Azure Data Share to automate the process, Set up Azure HDInsight cluster and running Pyspark job to transform data, Created Dashboard for the Telematic Data of various Vehicles
* **Demand Forecasting-** Performed ETL, Build and optimized models using Azure Machine Learning built-in Algorithms for Forecasting, Used AutoML, Executed custom Algorithms on cloud and on local machine, Optimized the Forecasting model by incorporating other secondary time series, Data visualization using PowerBI.
* **Medicine Sales Forecasting-** Performed ETL, Used various time series algorithms to choose best fitted model, Build and optimized models using Azure Machine Learning built-in Algorithms for Forecasting, Data visualization using Plotly, seaborn, matplotlib and bokeh.
* **Image Classification-** Performed ETL, used various deep learning algorithms to choose best fitted model, Build and optimized models using Azure Machine Leaning Workbench built-in Algorithms.