Deepika Patil

Personal Details.

Name	Deepika Patil
Designation	Associate Consultant
Birth Date	22nd January 1999
Residence	Navi Mumbai
Nationality	Indian
Marital Status	Married
Gender	Female

Profile.

Designation	Associate Consultant
BU	Insights & Data
DOJ	5th May 2022
Service Line	ID Big Data

Competencies.

Languages	Python, SQL, C++
Data Visualization	Tableau, Power BI
Cloud Technologies	AWS Lambda, S3, Athena, Glue, GCP, GEN AI, AWS Glue,
Database	PostgreSQL, MySQL, Oracle
Operating System	Windows

Languages.

	Speak	Read	Write
English	Fluent	Fluent	Fluent
Hindi	Fluent	Fluent	Fluent
Marathi	Fluent	Fluent	Fluent

Training.

Course	Platform
Agile Software Development	Coursera
AWS Cloud Practitioner Essential	AWS (Skill builder)

MongoDB SI Associate	MongoDB
Tableau Desktop and Power BI	Degreed (Last Mile Learning I&D)
MS SQL Server: Learn MS SQL From Scratch	Udemy
IBM Data Analyst	Coursera

Certificates	Platform
AWS Certified Cloud Practitioner Essential	AWS
Google Cloud Certified - Associate Cloud Engineer	Google
SQL Intermediate	Hacker Rank
Python Basics	Hacker Rank
Visualization Professional Analytics - Power BI	Ocean Assessment
DP-203	Microsoft
PL - 300	Microsoft
AZ - 900	Microsoft

Domain Experience.

Global Data Science Challenge	**GDSC – River Blindness**
Tools & Technologies	Amazon Sagemaker, Deep Learning.
Description	This project is based on object detection wherein certain images were provided of worm nodules and we had to identify worm sections in it. 1000 images were provided as train dataset and 75 images were given as test data.

GCP	**GCP IOT on 890**
Tools & Technologies	IOT Core, Big Query, Dataflow, ML, Power BI

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Description	The Aim is to analyse the temperature pattern of the floor and used exponential smoothing ML model can be used to predict anomalies in temperature. Power BI is used to visualize and present the analysed temperature patterns and predictions generated by the exponential smoothing ML model, allowing stakeholders to easily understand and interpret the data in a visual format.

A2B (SCB Client)	**A2B**
Tools & Technologies	Spark, Python, SQL, Big Query, SAS
Description	This project mainly focused to convert SAS code to python, PySpark, and Big Query codes based on NLP automation solution. I worked in the conversion of SAS code to Python and PySpark code.

Power BI	**Crypto Analysis**
Tools & Technologies	**Power BI**
Description	Led the analysis and exploration of diverse cryptocurrency types, employing insightful visualizations crafted with Power BI. Utilized advanced functionalities such as Dashboards and Data Analysis Expressions (DAX) to deliver comprehensive insights into market trends and performance metrics.

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AWS	AWS HealthCare Data Processing
Tools & Technologies	AWS S3 (Storage), Python, AWS lambda (Data processing), AWS Glue, Redshift, CloudWatch (Monitoring).
Description	Use a healthcare dataset with patient records, diagnosis information using AWS Glue to clean and standardize healthcare data. Utilize AWS Comprehend Medical for extracting medical entities. Store the processed data in Amazon RDS for healthcare analytics. Implement AWS Glue jobs for regular updates and data maintenance.

Flask	Employee Pre-Onboarding Portal
Tool &Technologies	Python, Flask, HTML, CSS, JavaScript
Description	Developed an Employee Pre-Onboarding Portal using Python, Flask, HTML, CSS, and JavaScript to streamline the onboarding process. Implemented user-friendly interfaces and interactive features to enhance user experience and efficiency.

Gen AI AWS	Prediction Sales Analysis using Quick Sight
Tools & Technologies	AWS S3 (Storage), Python, AWS lambda (Data Amazon Q, Amazon Forecast, Amazon Quick Sight
Description	Extracted and uploaded sales data from diverse sources to Amazon S3 for centralized Pre-processed data to enable downstream machine learning and analytics workflows. Used Amazon Forecast to develop time-series models for sales and demand forecasting. Built interactive dashboards with Amazon Quick Sight to visualize trends and KPIs. Integrated insights and predictions into a user-friendly Stream lit interface with Amazon Q for NLP-based querying. Extracted and uploaded sales data from diverse sources to Amazon S3 for centralized storage. Pre-processed data to enable downstream machine learning and analytics workflows.

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GEN AI AWS	**Aerospace Data Retrieval using RAG And Bedrock Agent**
Tools & Technologies	AWS S3 (Storage), Python, AWS Sagemaker, AWS Textract, AWS OpenSearch, AWS Bedrock, AWS Glue, Redshift, CloudWatch, AWS Claude.
Description	Developed a Retrieval-Augmented Generation (RAG) system for efficient aerospace data retrieval. Integrated AWS Bedrock Agent to streamline natural language querying and enhance data accessibility. Enabled seamless interaction between users and complex aerospace datasets, improving data-driven decision-making.

Education.

Qualification	Branch	Institute	Year
B. E	IT	R.C. Patel Institute of Technology, Shirpur	2020
12th	Science	H.R. Patel Junior College	2016

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