

SURENDRA PRAJAPAT

+91 7415457965 | Prajapatsurendra78980@gmail.com | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

EDUCATION

Institute of Engineering and Science IPS Academy, Indore

2020 - 2024

Degree: Bachelor of Technology (ECE) | CGPA: 8.95

Neela Kash HS School, Indore

2019 - 2020

12th: PCM | Percentage: 86.8%

WORK EXPERIENCE

System Engineer (Client: Vanguard) | Tata Consultancy service

Jan'25 - Ongoing

- Working on Data modernize ETL process and data processing systems using PySpark and AWS Cloud services (Glue, S3, Lambda, Step Functions).
- Designing and implementing data integration pipelines for analytics and reporting use cases.
- Building **scalable, modular infrastructure** using **Terraform** and managing automated deployments on AWS.
- Collaborating with cross-functional AI and data engineering teams to deliver end-to-end solutions.

Data Analyst Freelancer

Aug'23 - Dec'25

- Analysed business data for retail and banking clients to drive strategic, data-backed decisions.
- Cleaned, prepared, and transformed large datasets using **Python** and **SQL** for accurate reporting.
- Designed and delivered interactive dashboards in Power BI/Tableau to visualize KPIs and performance metrics.
- Identified trends and provided actionable insights that increased retail **profitability by 5%**.
- Supported a leading bank by developing datasets and dashboards that improved decision-making efficiency.

PROJECTS

Cactus RAG | AI DevOps Engineer

Tech Stack: Python, AWS (VPC, EC2, Lambda, ALB, Listeners), Git

- Designed and managed cloud-native infrastructure for AI-based applications using AWS and Terraform.
- Implemented containerized deployments using Docker and integrated CI/CD pipelines via Git for seamless automation.
- Developed and maintained Lambda-based automation scripts for monitoring, scaling, and resource optimization.
- Supported AI model deployment and operations, ensuring high availability, scalability, and cost efficiency.

Legacy Mainframe Modernization using PySpark | Data Engineer (AWS & PySpark)

Tech Stack: PySpark, AWS (Glue, S3, Step Functions, Lambda, Athena), Terraform

- Developed and optimized PySpark ETL jobs within AWS Glue to process large-scale data from S3.
- Implemented data transformation, validation, and aggregation logic for downstream analytics.
- Automated workflows using AWS Step Functions and Lambda to orchestrate multiple data processing stages.
- Created reusable and modular ETL components improving pipeline performance and maintainability

SKILLS

Languages:

Python, PySpark, SQL

Frameworks/Technologies:

AWS (Glue, Lambda, Step Functions, S3, EC2, VPC, CloudWatch), PySpark, ETL Pipelines, Terraform, Docker, Power BI, Generative AI (RAG, LLMs)

Developer Tools:

Git, GitHub, VS Code, AWS Console, CI/CD Pipelines, Jira, Confluence

Areas of Interest:

Data Engineering, Cloud Automation, AI/ML Applications, Data Analytics & Visualization

CERTIFICATIONS & ACHIVEMENTS

- AWS Solution Architect Associate Certified,
- AWS Practitioner Certified,
- Azure – 900 Certified,
- Runner-up in TCS AI Friday Hackathon