

SHIVAM BHARTI

IT Professional

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Temporary: Durgapur, West Bengal | Permanent: Noida, Uttar Pradesh

PROFESSIONAL SUMMARY

Motivated IT fresher with practical exposure across GIS engineering, cloud infrastructure and data engineering through industrial experience, internships and independent projects. Demonstrated ability to adapt quickly across domains and deliver results in professional environments. Currently pursuing an MCA, building on a strong technical foundation.

WORK EXPERIENCE

GIS Engineer | RMSI, Hyderabad

Jul 2024 – Feb 2025

- Digitized and designed geospatial map features including roads, bridges, intersections, and routing networks for 100+ regions worldwide, using industry-standard GIS editing tools to build pedestrian, vehicle, and cyclist navigation layers for client digital map products.
- Performed map data editing and inspection, identifying and resolving defects and irregularities in geospatial datasets to ensure spatial accuracy and compliance with client specifications and navigation data standards.
- Documented findings across processes, workflows, tools, and specifications, and contributed feedback for tool enhancements and workflow improvements to support continuous production quality.
- Collaborated with cross-functional teams to review, iterate, and finalize map features for deployment on smartphone navigation applications, contributing to a navigation map data development pipeline serving major global map data providers.

TRAINING & INTERSHIPS

Cloud Engineering Trainee | LTIMindtree, Coimbatore

Feb 2025 – Mar 2025

- Provided L1/L2 technical troubleshooting support to enterprise clients in a Microsoft Azure cloud environment, resolving identity, access, and endpoint issues.
- Administered user identity and access management using Microsoft Azure Entra ID, writing Python and SQL scripts to automate provisioning and deprovisioning workflows.
- Deployed system updates, patches, and software packages to user endpoints across the organization using Microsoft Endpoint Configuration Manager (MECM).

Web Developer Intern | Indian Oil Corporation Ltd. (IOCL), Barauni

Jun 2023 – Jul 2023

- Developed a PDF Compressor web application for internal use at a PSU refinery, built on ASP .NET and C# for backend processing with Node.js handling server-side logic.
- Reduced document storage overhead by enabling in-browser PDF compression, streamlining file sharing workflows across departments.

PROJECTS

Data Engineering – Airbnb Pipeline

- Built an end-to-end data pipeline: extracted Airbnb data from AWS S3, loaded into Snowflake, and applied transformations using DBT.
- Implemented a Medallion Architecture (Bronze → Silver → Gold) with layered Snowflake schemas for raw ingestion, cleaned data, and business-ready aggregations.
- Configured DBT models with table and ephemeral materializations across layers, and wrote data quality tests to validate pipeline integrity.
- Managed Snowflake infrastructure using ACCOUNTADMIN role with dedicated compute warehouse, and version-controlled the full pipeline using Git and GitHub.

github.com/shivam2405/AIRBNB-S3_DBT_Snowflake-Data_Engineering_Project

Data Analysis – Student Social Media Addiction & Well-being

- Conducted end-to-end exploratory data analysis on 705 students across 70+ countries and 12 platforms, examining social media addiction, sleep quality, mental health, and academic performance.
- Built 15+ visualizations using Pandas, Seaborn, and Matplotlib covering correlation matrices, regression plots, heatmaps, and platform-level comparisons.
- Developed a fully standalone interactive dashboard using Chart.js with animated KPIs, scatter plots, bubble maps, and switchable charts across 12 analytical sections.

github.com/shivam2405/Data_Analysis_Project

Data Warehousing – Sales Data Warehouse on Databricks

- Designed and implemented a 4-layer data pipeline (Source → Staging → Transformation → Core) on Databricks SQL, transforming a flat orders table into a star schema.
- Built a dimensional model with four dimension tables (Customers, Products, Region, Date) and a central FactSales table using surrogate keys, enabling analytics such as revenue by region and top customers by spend.
- Applied data quality filtering via transformation views and materialized the final warehouse using Delta Lake on Apache Spark SQL, mirroring production-grade pipeline architecture.

github.com/shivam2405/Data_Warehousing

Web Application – Khumari (Raga Therapy Music Player)

- Built a browser-based Raga Therapy music player using HTML, CSS, and JavaScript, featuring mood-based playlist navigation across broad categories Hindustani classical tracks.
- Implemented dynamic song loading from a JSON data source with real-time search and filter functionality, and play/pause/prev/next audio controls using the Web Audio API.
- Designed a dark-themed responsive UI using CSS Grid for song and mood cards, URL parameter-based routing to render mood-specific song pages.

github.com/shivam2405/Khumari

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C#, JavaScript, R

Query Languages: SQL, PySpark

Python Libraries: Pandas, Numpy, Matplotlib, Seaborn

Databases & Data Tools: Databricks, Snowflake, DBT, Oracle, Apache Spark, Hadoop

Cloud: AWS (S3, IAM), Microsoft Azure (Entra ID, MECM)

Web & Frameworks: HTML, CSS, ASP .NET, Node.js

GIS: Navigation Data Modeling, Map Layer Design, Routing

Tools: Git, GitHub, VS Code, Jupyter Notebook, Google Colab

EDUCATION

Master of Computer Applications (MCA) | Dr. B.C. Roy Engineering College, Durgapur, WB *2025 – Ongoing*
Aggregate SGPA: TBU

Bachelor of Computer Applications (BCA) | Dr. B.C. Roy Engineering College, Durgapur, WB *2021 – 2024*
Aggregate SGPA: 8.0

Senior Secondary (Class XII) – Commerce with IT | Ralli International School (CBSE), Ghaziabad, UP *2021*
Score: 71%

Secondary (Class X) | Ralli International School (CBSE), Ghaziabad, UP *2019*
Score: 74%

ADDITIONAL EDUCATION

Sangeet Bhaaskar in Hindustani Classical Vocal Music | Prachin Kala Kendra, Chandigarh
Score: 94%

2023 – Ongoing

LANGUAGES

English, Hindi, Bengali, French

INTERESTS & HOBBIES

Music, Reading, Writing