

DEEPAK SINGH

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SUMMARY

AI & Data Science professional specializing in Artificial Intelligence, Generative AI, and Machine Learning, with expertise in Data Analytics, Deep Learning, and Data Engineering. Skilled in Python, SQL, Power BI, AWS, with proven experience developing LLM applications, predictive models, ETL pipelines, and dashboards delivering insights and measurable impact

SKILLS

- Programming:** Python, SQL, C++, Git, HTML/CSS
- Data Science & Analytics:** Machine Learning, Deep Learning, Data Analysis, Exploratory Data Analysis, Web Scraping, Business Intelligence, Statistical Modeling, Predictive Analytics, A/B Testing, Data Mining
- AI & LLM Frameworks:** Scikit-learn, PyTorch, Hugging Face, LangChain, LangFlow, APIs, RAG (Retrieval-Augmented Generation), Generative AI, Prompt Engineering
- Data Engineering & Cloud:** ETL, Data Warehousing, PostgreSQL, MongoDB, Apache Airflow, AWS
- Visualization:** Power BI, Tableau, Excel, Matplotlib, Seaborn
- Workflow & Automation:** FastAPI, Docker, Nhost, n8n, Ollama, Workflow Automation, AI Agents
- Computer Science Fundamentals:** Data Structures & Algorithms, Operating Systems, Database Management Systems (DBMS), Computer Networks

EXPERIENCE

ATHRV-Media | Remote

Data Analyst Intern | December 2024 – May 2025

- Built data models in **Power BI & PostgreSQL** to analyze **500K+** credit card transactions, improving reporting speed by 25% and driving actionable business insights
- Enhanced data accuracy and efficiency using **Excel, and Python**, contributing to a **15%** increase in data-driven decision making
- Leveraged AWS with Power BI and Excel for visualization across a **50+ item range**, boosting user engagement by **20%**
- Designed SQL and Power BI dashboards on **AWS**, improving **operational efficiency 10%** through enhanced exploration

PROJECTS

Credit Card Sales Analysis - [Link](#)

- Boosted sales analysis by 30% through Power BI & Python visualizations of 50K+ records, accelerating decision-making by 25%
- Created SQL dashboards and automated ETL with Apache Airflow, reducing manual effort by 40%

Interactive Storyteller Development using LLMs - [Link](#)

- Developed an LLM-powered storytelling platform with NLP & Transformers, boosting user retention by 30%
- Produced Transformer-based personalization boosting retention 30% and engagement 40%

Reddit Persona Generator - [Link](#)

- Made a Python NLP pipeline with PRAW for Reddit scraping, Hugging Face for summarization, and fpdf2 for persona reports
- Implemented batch processing, data cleaning, and a Tkinter GUI, cutting processing time by 35% and scaling profiling to 500+ users

EDUCATION

Bachelor of Engineering (Computer Science and Engineering), Chandigarh University

2021 - 2025

- CGPA: 7.81

Chaudhuri's Mother Care Higher Secondary School, Jabalpur

2005 - 2021

- Class XII: 89.8%
- Class X: 87%

CERTIFICATIONS

- Oracle's Comprehensive Application Development and Database Systems Certification Program - **ORACLE**
- Python For Data Science - **NPTEL**
- Introduction to Data Science - **IBM**
- Advanced Machine Learning on Google Cloud - **GOOGLE**
- Analytics For Decision Making - **COURSERA**

ACHIEVEMENTS

- Tata Data Visualization:** Empowering Business with Effective Insights Job Simulation on Forage - February 2025 - [Link](#)