

ARYAN SINGH

AI & DATA SCIENCE STUDENT

PROFILE

B.Tech student specializing in Artificial Intelligence and Data Science with hands-on experience in data analytics, machine learning, and AI-driven applications. Currently working as a Data Analytics & Machine Learning Intern at Bajaj Finserv, building ETL pipelines, dashboards, and predictive models using Python, Power BI, PySpark, and Azure. Skilled in big data processing, cloud platforms, and developing intelligent systems using LLM and Retrieval-Augmented Generation (RAG). Passionate about leveraging data to solve real-world problems and drive impactful insight

PROFESSIONAL EXPERIENCE

Data Analytics & Machine Learning Intern

Bajaj finserv ltd. | Present

- Developed Power BI dashboard for retail & automotive sales analysis
- Built ETL pipeline using Databricks, PySpark & SQL for automated reporting
- performed large-scale data analysis using PySpark on environment datasets
- conducted EDA to identify trends in student datasets
- Built AI chatbot using Llama 3 + RAG for context-aware responses
- Implemented OCR-based document processing system

Data Analytics Intern

IBM SkillsBuilds | June 2024 - Aug 2024

- Performed data cleaning & visualization using Python
- Conducted EDA on real-world datasets
- Built project on "Inequality in Education"

IOS Development Intern

Onspire | 2025

- Developed Netflix & Instagram clones
- Implemented UI/UX and transitions

PROJECTS

Loan Approval Prediction System (ML + Deployment)

- Build ML model Using Scikit-learn for financial risk prediction
- Deployed using Streamlit for real-time loan approval

AI Chatbot using LLM & RAG

- Developed chatbot using Llama 3 and embeddings for context-aware responses
- Eliminated dependency on external APIs using local architecture

Sales Intelligence Dashboards (Power BI)

- Built interactive dashboards for retail & automotive sales analysis
- Visualized KPIs like revenue trends, segmentation, and regional performance

Automated ETL Reporting Pipeline

- Designed pipeline using Databricks, PySpark, and SQL
- Automated daily, weekly, and monthly business reports

Market Basket Analysis Dashboard

- Built Streamlit dashboard using Apriori algorithm
- Generated product recommendations and insights

CONTACT

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EDUCATION

B.Tech – Artificial Intelligence & Data Science
Maharshi Dayanand University | 2022 – 2026

TECHNICAL SKILLS

Programming Languages:

Python, SQL, C++, Swift

Data Analytics & BI Tools:

Power BI, DAX, Excel, Data Visualization

Libraries & Frameworks:

Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, Keras

Big Data Technologies:

Apache Spark, PySpark

Cloud Platforms:

Microsoft Azure, Databricks

Tools & Platforms:

Jupyter Notebook, Streamlit, Git/GitHub, Kaggle, Xcode, PyCharm

AI & NLP:

LLM (Llama 3), Retrieval-Augmented Generation (RAG), Embeddings

Core Concepts:

ETL Pipelines, Data Cleaning, Feature Engineering, Machine Learning, Deep Learning, OCR

CERTIFICATIONS

- IBM SkillBuild – Data Analytics with Jupyter Notebook
- Onspire – iOS App Development Internship
- Prompt Engineering Certification – OpenAI / GitHub
- Kaggle – Machine Learning & Data Science Competitions
- Hands-on Experience with Azure, Databricks, Power BI, and PySpark