Aryan Raj Singh

LinkedIn | GitHub | Portfolio

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SUMMARY

Aspiring Data Analyst with strong skills in Python, SQL, and data visualization. Passionate about extracting actionable insights from complex data. Eager to drive data-based decisions and create business value.

EDUCATION

Sapthagiri College of Engineering	Bengaluru, India
Bachelor of Engineering (CSE), GPA: 8.71 (Till 6th Semester)	**Dec 2022-May 2026**
MGVM Pre-University College	Belagavi, India
XII, Percentage: 85.6%	**April 2021-April 2022**
Kendriya Vidyalaya No.1 AFS Sambra	Belagavi, India
X, Percentage:70.16%	**April 2019-April 2020**

SKILLS SUMMARY

- **Languages:** Python, Java, SQL
- **Frameworks:** Pandas, NumPy, Matplotlib**,** Scikit-learn
- **Tools:** Git, GitHub, MySQL, AWS, Power BI, API Integration, GitHub Copilot
- **Platforms:** Visual Studio Code, Jupyter, IBM Watson, IntelliJ, Google Colab
- **Soft Skills:** Stakeholder Management, People Management, Excellent Communication

PROJECTS

End-to-End Vendor Performance Analytics | Link| Colab Link   **July 2025**

- o Developed a **dynamic Power BI dashboard** to analyse performance trends from a dataset of 30 million+ records.
- o Engineered an automated **data ingestion and cleaning pipeline** using Python (Pandas, SQL Alchemy).
- o Created **DAX measures to visualize KPIs**, vendor performance tiers, and profitability to support business strategy.

ANN Regression Model to Predict the Electrical Energy of a Power Plant| Link   **Jan-2025**

- o **Developed an ANN Regression Model** to predict Electrical Energy Output of a Combined Cycle Power Plant.
- o **Used Python and Google Colab** for model development, training (80% data), and performance evaluation.
- o **Analysed a dataset** of 10,000 entries to improve training accuracy, **achieved 98% prediction accuracy** by effectively training the model.

WORK EXPERIENCE

AI and Cloud Intern|Edunet Foundation(Non-Employable)|Link   **Jun 2024-July 2024**

- o Explored various IBM AI and Cloud technologies such as SkillsBuild, IBM Cloud Platform & IBM Watson Studio.
- o Mapped city-specific tax contribution datasets into insightful graphical representations using data visualization frameworks.
- o Visualised the datasets in graphical formats using Data Visualisation Frameworks **Pandas and Matplotlib** using IBM Watson Studio. Identified and reported key causes for reporting errors by exploring various IBM AI & Cloud technologies.

ACHIEVMENTS

- o **First Prize, CS Dept. Hackathon:** Co-developed a collaborative web app for students to annotate documents, share notes, and create flashcards.
- o **Second Prize, IS Dept. Hackathon:** Co-developed a location-based Teacher Attendance System, allowing instructors to mark attendance via mobile only when on campus.

CERTIFICATES

Complete A.I. & Machine Learning, Data Science Bootcamp| Certificate   **May-2025**

- o Completed 44-hour AI & Machine Learning Bootcamp on Udemy, gained hands-on experience with Python, TensorFlow, Pandas, and Scikit-learn.

Enterprise-Grade AI (IBM)| Certificate   **June-2024**

- o Learned about the AI integrations with different technologies and their various use cases in real-time projects.