

# Tanya Bhatia

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## SUMMARY

Detail-oriented Data Analyst with hands-on experience in data analysis, dashboard development, and data visualization. Skilled in Python, SQL, Power BI, Pandas, NumPy, Plotly, Dash, and Matplotlib. Built an interactive Python dashboard and a Machine Learning-based Sign Language Detection System. Currently pursuing MCA in AI ML (2025–2027).

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## SKILLS

**Programming:** Python, Java, C, C++, OOPS

**Data & Analytics:** Data Analysis, Pandas, NumPy, Seaborn, Matplotlib, Plotly, Dash, Data Science

**Tools:** Power BI, MS Excel, SQL, DBMS

**Soft Skills:** Communication, Leadership, Teamwork, Problem-Solving

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## EXPERIENCE

### Python Programmer Intern

*Jun 2024 – Aug 2024*

- Developed an interactive data dashboard using Python, Plotly, Dash, and Matplotlib.
- Performed data cleaning, preprocessing, and analysis for generating insights.
- Implemented real-time data integration and interactive UI components.
- Enhanced dashboard performance and visualization quality.

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## PROJECTS

### Sign Language Detection using Machine Learning

*Aug 2024 – Nov 2024*

- Built an ML model to convert hand gestures into text or speech.
- Applied image processing, feature extraction, and optimized model accuracy.
- Designed to support communication for hearing-impaired individuals.

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## EDUCATION

### MCA – Artificial Intelligence & Machine Learning (Pursuing)

*2025 – 2027*

K.R. Mangalam University, Gurgaon

### Bachelor of Computer Applications (BCA) – CGPA: 8.2

*2022 – 2025*

GGSIU – JIMS Engineering Management Technical Campus, Greater Noida

### Senior Secondary (Class 12) – 80%

*2021 – 2022*

St. Joseph's Convent School, Faridabad

### Secondary (Class 10) – 70%

*2019 – 2020*

St. Joseph's Convent School, Faridabad

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## CERTIFICATIONS

- Hackathon Participant – DeepData Science 2.0 (2025)
  - Entrepreneurship Orientation Program – NSIC
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