

# SAPNA BAGAE

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## PROFESSIONAL SUMMARY

Aspiring Data Scientist with hands-on experience in web development, data analytics, and machine learning. Skilled in Python, SQL, and data visualization tools, with a strong foundation in problem-solving, critical thinking, and communication. Seeking opportunities to apply technical expertise and analytical skills to drive business solutions.

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## TECHNICAL SKILLS

### Data Science and Analytics:

- Programming: C, C++, Python (Pandas, NumPy, Matplotlib, Seaborn), R
- Machine Learning: Scikit-learn, TensorFlow, Keras
- Data Analysis: SQL, Tableau, Microsoft Power BI
- Statistical Methods: Hypothesis Testing, Regression, Classification
- Natural Language Processing (NLP): NLTK, SpaCy
- Big Data Technologies: Hadoop, Spark (learning)

### Web Development:

- Front-End: HTML, CSS, Bootstrap, JavaScript
- Back-End: Node.js, Express.js, Django
- Database Management: MongoDB, MySQL, PostgreSQL
- Frameworks: Flask, React.js

### Cloud Computing (Learning):

- AWS, Microsoft Azure, Google Cloud Platform (GCP)

### DevOps and Automation:

- Version Control: Git, GitHub
- Containerization: Docker (learning), Kubernetes (learning)

### Other Tools:

- Advanced Excel (Pivot Tables, VBA Macros)
  - Data Visualization
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## PROFESSIONAL EXPERIENCE

### Data Science Intern

*Yhills | Remote | Jan 2024 – Ongoing*

- Analyzing and cleaning datasets (10M+ rows) using Python and SQL, extracting actionable insights.
- Developing predictive models using machine learning algorithms, achieving a 20% improvement in forecast accuracy.
- Building interactive dashboards in Tableau and Power BI to enhance decision-making processes.
- Automated data workflows, reducing manual processing time by 30%.

### Business Development Intern

*NoxAlgo | Remote | Oct 2023 – Present*

- Generated leads through market research and outreach, increasing client base by 15%.
- Engaged in cold calling, contributing to a 10% rise in successful sales conversions.
- Assisted in closing clients, and achieving quarterly revenue targets.

### AI and Prompt Engineering Intern

*Vault of Codes | Remote | Nov 2024 – Dec 2024*

- Designed and fine-tuned prompts for LLMs, improving output accuracy by 15%.
- Developed automation scripts for model evaluations, optimizing testing processes by 20%.
- Conducted NLP tasks like summarization and sentiment analysis, enhancing model capabilities.

### E-commerce and Analytics Coordinator

*Sadguru Sales | Indore, India | Mar 2023 – Sep 2023*

- Conducted sales and performance analysis, identifying trends that led to a 25% increase in customer engagement.
- Collaborated with marketing teams to execute successful campaigns.
- Optimized product pricing strategies by monitoring competitor data.

### Independent Business Owner

*FLP India | Remote | Nov 2022 – Jul 2023*

- Analyzed customer feedback to adapt business strategies, achieving a 10% growth in revenue.
  - Implemented CRM tools to streamline operations and improve time management.
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## PROJECTS

### Data Science Trends Analysis

*Tools: Excel | Jun 2024*

- Conducted in-depth analysis of trends in data science jobs, salaries, and required skills.
- Visualized findings using Excel dashboards, aiding in career planning for aspiring data scientists.

### Student Specialization Dashboard

*Tools: Power BI | Sep 2024*

- Designed an interactive Power BI dashboard to visualize student specialization trends and career preferences.
- Predicted career trajectories to assist academic planning.

### Google Analytics Dashboard

*Tools: Excel | Feb 2024*

- Automated website performance reporting by creating a dashboard to analyze traffic, bounce rates, and top sources.
- Identified actionable insights to improve user engagement.

### E-Diary Website

*Tools: HTML, CSS, JavaScript | Nov 2022*

- Developed a web-based diary to showcase self-written poems, including page-turn animations for a realistic feel.
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## EDUCATION

### Master of Business Administration (CGPA: awaited)

*Lovely Professional University, Punjab | 2024 – 2026 (In Progress)*

- MBA in Data Science and Business Analytics

### Bachelor of Computer Application (CGPA: 7.47)

*Lovely Professional University, Punjab | 2020 – 2023*

- BCA in Full Stack Web Development
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## CERTIFICATIONS

- Power BI Course (Great Learning)
  - SQL Projects (Great Learning)
  - Data Analytics and Visualization (Great Learning)
  - Digital Marketing Fundamentals (IIDE)
  - HR Roles in the Modern Workplace (LinkedIn Learning)
  - Corporate Financial Statement Analysis (LinkedIn Learning)
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## SOFT SKILLS

- Collaboration, Creativity, Communication
  - Adaptability, Problem-Solving, Presentation
  - Critical Thinking, Emotional Intelligence, Curiosity
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## ADDITIONAL INFORMATION

**Physical Status:** Disabled (Cerebral Palsy)

Navigating life using a wheelchair has honed my resilience, adaptability, and determination. These experiences have shaped my unique perspective and problem-solving approach.

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## REFERENCES

Available on request