**PRINCE YADAV**
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## PROFESSIONAL SUMMARY

Aspiring Data Analyst with strong expertise in Python, SQL, Excel, and Power BI. Proven experience in data cleaning, visualization, and building insightful dashboards through hands-on internships. Strong analytical mindset with the ability to translate raw data into actionable business insights. Currently pursuing BSc in Data Science & AI with 9.70 CGPA. Demonstrated proficiency in AI agent development, prompt engineering, and workflow automation. Seeking opportunities to apply technical skills and problem-solving abilities in a dynamic, data-driven environment.

## EDUCATION

**Bachelor of Science in Data Science & Artificial Intelligence** | *CGPA: 9.70/10*

*Ramniranjan Jhunjhunwala College (Autonomous)* | Mumbai, India | June 2023 – April 2026

- Relevant Coursework: Machine Learning, Data Structures & Algorithms, Statistical Analysis, Database Management, Computer Vision.

**Higher Secondary Certificate (HSC), Science** | *Grade: A (70.83%)*

*Ramniranjan Jhunjhunwala College | Mumbai, India | June 2021 – March 2023*

- Relevant Coursework: Information Technology, Website Development (HTML, CSS, JavaScript, PHP).

**Secondary School Certificate (SSC)** | *Grade: A (93.60%)*

*Shivram Singh Sanman Singh English High School | Mumbai, India | June 2020 – March 2021*

## TECHNICAL SKILLS

**Programming Languages:** Python, SQL, R

**Data Science & AI:** Machine Learning, Natural Language Processing, Computer Vision, RetrievalAugmented Generation (RAG), Prompt Engineering, AI Agent Development.

**Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, Power BI, Excel (Advanced), Data Cleaning & Transformation.

**ML/CV Libraries:** Scikit-learn, OpenCV, MediaPipe,Pose Estimation.

**Frameworks & Tools:** Streamlit, Render, Gemini API, Git/GitHub, Jupyter Notebooks Google Workspace.

**Databases:** MySQL, PostgreSQL

**Soft Skills:** Problem Solving, Analytical Thinking, Team Collaboration, Communication, Attention to Detail.

## PROFESSIONAL EXPERIENCE

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### **Applied AI Intern** | *December 2025 – Present*

*CSRBOX® (CSRBOX-AICTE-IBM SkillsBuild Partnership) | Remote*

- Engineered AI agents using advanced prompt engineering techniques, achieving 30% improvement in workflow automation efficiency across multiple business processes.
- Architected and deployed production-ready AI applications leveraging Python, Streamlit, and Gemini API to solve real-world business challenges and enhance operational productivity.
- Developed sophisticated Retrieval-Augmented Generation (RAG) systems for intelligent information retrieval, enabling context-aware content generation and knowledge management.
- Collaborated with cross-functional teams in agile environment to conceptualize, design, and deploy AI-powered solutions, participating in code reviews and technical documentation.

### **AI Intern** | *May 2025* – June 2025

*Work& Work Studios | Remote*

- Developed and trained machine learning models for predictive analytics and classification tasks, improving data-driven decision-making and model accuracy.
- Assisted in designing and automating AI workflows and data processing pipelines, enhancing efficiency and reducing manual intervention.
- Conducted exploratory data analysis and created visualizations to identify patterns and generate actionable business insights.
- Collaborated with the AI team to fine-tune algorithms, optimize model performance, and ensure high-quality predictive outcomes

### **Data Entry Intern** | *April 2025 – May 2025*

*Artscape | Remote*

- Managed data lifecycle for 200+ feedback forms and assessment documents with 100% accuracy, ensuring data integrity for evidence-based program evaluation and strategic planning.
- Standardized data collection and validation processes across multiple formats, collaborating with program teams to enhance data quality and consistency.
- Optimized data management workflows through systematic process improvements, reducing processing time by 25% while maintaining rigorous quality standards.

### **Data Research Intern** | *Jan 2025 – March 2025*

*Jidnyasa Charitable Trust | Remote*

- Managed end-to-end data collection, cleaning, and analysis of 2,000+ records across multiple datasets, ensuring 99% data accuracy and reliability for business intelligence and reporting initiatives.
- Performed statistical analysis and exploratory data analysis to identify trends, patterns, and performance insights supporting data-driven decision-making.
- Designed and delivered interactive dashboards, visualizations, and analytical reports to communicate findings effectively to project stakeholders.
- Collaborated with cross-functional teams to optimize data workflows, improve data quality controls, and enhance overall analysis efficiency and accuracy.

## KEY PROJECTS

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### **Healthcare Guardian AI** | *January 2026*

*Technologies: Python, Supabase, LangGraph, Gemini API, Webhooks, NLP, Streamlit*

- Architected end-to-end healthcare assistant platform supporting symptom triage, chronic care monitoring, medication adherence, mental health tracking, and telemedicine workflows.
- Integrated Gemini API with custom prompt engineering strategies to deliver context-aware explanations, achieving 40% improvement in student engagement metrics.
- Implemented secure authentication and role-based access using Supabase with full audit logging and user profile management.
- Built real-time notification system via email and webhooks for high-risk alerts, medication reminders, and emergency escalation.
- Designed scalable API gateway with modular agents for nutrition, sleep, vaccination, recovery, and community engagement, ensuring high availability under concurrent usage.

### **Adidas Sales Analytics Dashboard** | *January 2026*

*Technologies: Python, Streamlit, Plotly, Pandas, NumPy, Data Analytics*

- Engineered comprehensive business intelligence dashboard analyzing $900M+ in sales transactions across multiple retailers, regions, and product categories.
- Executed end-to-end data pipeline including ETL processes, cleaning, and transformation of 10,000+ records using Pandas, ensuring data quality and analytical reliability.
- Created dynamic, interactive visualizations using Plotly to track critical KPIs: revenue trends, retailer performance benchmarking, geographic sales distribution, and seasonal patterns.
- Delivered actionable business insights identifying high-performing retailers and underperforming markets, with drill-down capabilities for executive decision support.

### **Academic Intelligence System**| *September 2025*

*Technologies: Python, Streamlit, SQLite, Firebase, Matplotlib, Seaborn, Pandas, NumPy, Data Analytics*

- Developed full-scale academic intelligence platform managing 500+ student profiles with secure authentication, real-time performance tracking, and role-based access for students, faculty, and HODs.
- Implemented ML-driven analytics pipeline for mark prediction and failure risk assessment, achieving 85%+ accuracy across 8+ core academic subjects and historical datasets.
- Engineered automated data ingestion system processing 10,000+ records per upload from CSV/XLSX files with validation, normalization, and cloud-based persistence.
- Designed interactive Streamlit dashboards visualizing attendance trends, subject-wise performance metrics, and personalized study recommendations for data-driven academic optimization.

### **Student Database Management System | Python Application**| *September 2024*

*Technologies: Python, Tkinter, MySQL, Matplotlib, SQL, Data Visualization*

- Built a Python-based student database management system to store, manage, and analyze semester-wise academic records using MySQL.
- Implemented CRUD operations, secure user registration, and automated validation to prevent duplicate entries.
- Developed automated grade, grade point, credit point, and CGPA calculations based on student marks.
- Created data visualizations (pie charts) to analyze grade distribution across multiple semesters.

## VOLUNTEERING & LEADERSHIP

### **Email Marketing Specialist Intern** | *March 2025*

*ConnectFor | Mumbai, India*

- Assisted in writing and editing clear, professional emails for volunteer outreach, event updates, and internal communication.
- Learned and applied basic email structure, subject-line writing, and tone consistency to improve readability and engagement.
- Maintained accurate records and regularly updated internal databases to ensure reliable, consistent, and up-to-date CSR information.

## CERTIFICATIONS & ACHIEVEMENTS

- **Deloitte Australia Data Analytics Job Simulation** – Completed hands-on simulation covering data cleaning, analysis, visualization, and business insight generation using real-world datasets.
- **JPMorgan Chase Investment Banking Job Simulation** – Gained practical experience in M&A analysis, DCF valuation, auction processes, and preparation of client-ready investment recommendations.
- **IBM SkillsBuild Student Ambassador –** Applied AI specialization focusing on prompt engineering, AI agent development, and production workflow automation. (December 2025)
- **Applied Artificial Intelligence Certificate –** Comprehensive hands-on training in building, deploying, and scaling AI agents for enterprise applications. (December 2025)

## ADDITIONAL INFORMATION

**Languages:** English (Professional Working Proficiency), Hindi (Native), Marathi

**Professional Interests:** Open-Source Contribution, Advanced Data Visualization, AI Ethics & Responsible AI, Algorithm Optimization

**Availability:** Immediate availability for internships and entry-level positions