Prashant Tiwari

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# PROFESSIONAL SUMMARY

Motivated and results-oriented AI and Machine L earning enthusiast, currently pursuing a B.Tech in Computer Science & Engineering with an 8 .1 CGPA. Hands-on experience in developing end-to-end AI solutions, from data processing and model building with Python and Scikit-L earn to deploying intelligent chatbots on IBM Cloud. Eager to apply expertise in Generative AI, LLMs, and Data Analytics to engineer innovative AI systems and contribute to impactful projects in a challenging role as an AI Engineer.

# EDUCATION

B.Tech in Computer Science & Engineering | Chaudhary Devi Lal State Institute of

Engineering and Technology| 2022 ‒ 2026| CGPA: 8.3

Class XII (CBSE) | St. Xavier High School | 2021 Percentage: 70 %

Class X (CBSE) | St. Xavier High School | 2019 Percentage: 88 %

# TECHNICAL SKILLS

**Programming Languages**: Python, C++ , C , SQL , R, Java (Basic)

**AI / Machine Learning:** Generative AI, LLMs, RAG, Prompt Engineering, Classification, Regression, NLP

**Libraries & Frameworks**: Scikit-Learn, Pandas, NumPy, Matplotlib, Tkinter

**Cloud & Tools**: IBM Watson Assistant, IBM Cloud, Git, V S Code, DBMS

# PROJECTS

**AI Agent for Digital Financial Literacy | IBM Capstone Project**

* Engineered a conversational AI agent to enhance financial literacy, answering queries on UPI, fraud prevention, and budgeting.
* Deployed chatbot on IBM Cloud with IBM Watson Assistant using custom intents and actions.
* Applied RAG principles to fetch reliable financial data.
* Processed 20 + financial questions with accurate responses.

**Spam Message Detector System**

* Designed a spam detection classifier using Python, Scikit-Learn, and NLP.
* Implemented multiple ML models to analyze text and filter spam.

Student Attendance System

* Built an automated attendance tracker using Python, SQL , and Tkinter.
* Designed secure backend ensuring real-time updates and storage.

# INTERNSHIPS & PROFESSIONAL EXPERIENCE

**Emerging Technologies Intern (AI & Cloud) | Edunet Foundation (IBM SkillsBuild & AICTE) | Jul 2025 ‒ Aug 2025**

* Completed a 4 -week program on practical AI and Cloud applications.
* Built and deployed intelligent apps on IBM Cloud.

**Ethical Hacking & Penetration Testing (Virtual Intern) | C-DAC**

• Worked in simulated environments to identify vulnerabilities.

* Practiced penetration testing methodologies.

**AI & Prompt Engineering Intern | Vault of Codes**

* Developed and refined prompts to optimize LLM performance.
* Applied advanced prompt engineering for improved outputs.

**Data Science Intern | CognitiveClasses.ai (IBM Initiative)**

* Worked with real-world datasets for cleaning, preprocessing, and analysis.
* Built predictive models using Python and data science libraries.

# KEY CERTIFICATIONS

Machine Learning Specialization **| Coursera (Andrew Ng)**

Data Science with Python **| Cognitive Classes.ai (IBM)**

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate **| Oracle**

Introduction to Generative AI Studio **| Google Cloud Skills Boost**

Introduction to Prompt Engineering with GitHub Copilot **| Microsoft**

Artificial Intelligence & Prompt Engineering **| Vault of Codes**

Ethical Hacking and Penetration Testing (Virtual Internship) **| C-DAC**