

Pulkit Agrawal

Aspiring Data Analyst | AI & Predictive Modeling Enthusiast

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PROFESSIONAL SUMMARY

Highly motivated and analytical professional with a strong foundation in Python, SQL, and Machine Learning applied to time series and predictive analytics. Currently enhancing skills in the Edunet Foundation Employability Skills & Digital Literacy with AI Internship, focusing on data-driven strategy. Proven ability to collect, clean, process, and interpret complex datasets to derive actionable business insights, with hands-on experience in data visualization (Power BI/Figma) and translating technical findings to non-technical stakeholders.

TECHNICAL SKILLS

Category	Skills & Tools
Programming	Python (Pandas, NumPy, SciPy), Java (Core, OOP) , SQL, C++, JavaScript
Data & AI Tools	MS Excel (Advanced), SQL Joins, Database Management, IBM watsonx, Streamlit, Prophet, ARIMA, SARIMA
Data Visualization	Microsoft Power BI (Certified), Tableau (Familiar), Figma (Dashboard Prototyping, UI/UX)
AI / Machine Learning	Machine Learning, Deep Learning (LSTM), Generative AI, Time Series Analysis, Random Forest Regressor
Web Development	HTML, CSS (Cascading Style Sheets), BeautifulSoup
Concepts	Data Cleaning, Statistical Analysis, Predictive Modeling, Object-Oriented Programming (OOP), Cybersecurity Basics

RELEVANT EXPERIENCE & PROJECTS

Java Programming Intern | CipherByte Technologies (Nov 2025 - Present)

- **Banking System Project (Core Java/OOP):** Designed and implemented a robust Core Java console application demonstrating Object-Oriented Programming (OOP) principles. Enabled secure transaction logic and effective multi-account management using a HashMap.
- **Library Catalogue System:** Created a Core Java console application that used collections for efficient data structure management, implementing search logic by title and author.

Cyber Security Intern | SkillCraft Technology (Nov 2025 - Present)

- **Encryption Tools:** Developed a Python-based **Image Encryption Tool** using pixel manipulation (Bitwise XOR operation) and a Java-based **Caesar Cipher Tool** for classical cryptography.
- **Security Programs:** Built a basic **Keylogger Program** using Python and the pynput library to listen for keystrokes, reinforcing knowledge of defense against common malware.
- **Password Strength Checker:** Developed a Java program to evaluate passwords based on five core security criteria (length, letters, digits, special characters), assigning a score out of 5.

UI/UX Designer Intern | Coding Samurai (Oct 2025 - Nov 2025)

- **Analytics Dashboard UI:** Built and prototyped a professional, user-centric Analytics Dashboard using Figma and a **12-column grid system** to clearly visualize core e-commerce KPIs.
- **Mobile App Prototyping:** Designed and prototyped a complete, conversion-focused UX workflow for a **Food Delivery App** and created an end-to-end UI/UX flow for a minimalist **To-Do List mobile app**.
- **Amazon Login Redesign:** Optimized the mobile login UI by removing clutter and leveraging brand signals to boost user trust and conversion focus.

Data Science & Analyst Intern | Zidio Development (July 2025 - October 2025)

- **Time Series Stock Analysis:** Successfully executed a predictive analytics project using Python, **Prophet**, and **ARIMA** to forecast stock prices, leveraging historical data and validating model accuracy.

- **Data Pre-processing:** Managed and cleaned large datasets, preparing them for Machine Learning modeling to ensure data integrity and reliable analytical outputs.

Research Analyst Intern | Evepaper (Oct 2025 - Ongoing)

- **Data Reporting & Communication:** Authored and published three articles on critical topics including Digital Literacy and Hybrid Leadership, demonstrating strong written communication skills necessary for compiling clear and concise data reports. Promoted to **Research Analyst** from Research and Promotions Intern.

UI/UX Designer Intern | Codec Technologies India (Apr 2025 - Apr 2025)

- **E-Learning Platform Redesign:** Created a high-fidelity UI/UX prototype focusing on a "Continue Learning" flow and progress tracking to enhance user engagement.
- **Travel Itinerary Planner:** Designed an interactive planner application with a responsive split-view layout visualizing the day-by-day itinerary alongside a simulated map route.

AI/Predictive Modeling Projects

- **AI-Driven Solar Power Forecasting (Edunet Foundation):** Developed a robust time-series solution using a **Long Short-Term Memory (LSTM)** Neural Network.
 - **Impact:** The final model provides a high-fidelity prediction tool, crucial for optimizing battery storage, reducing reliance on expensive backup power, and supporting sustainable energy integration.
- **Web Data Scraper:** Developed a Python Web Data Scraper using requests and **BeautifulSoup** for efficient HTML parsing. Successfully scraped and extracted multiple data fields for over **100 laptop listings** from an e-commerce test site.

EDUCATION

- **Golden Gate University**
 - Bachelor's Degree in Artificial Intelligence (In Progress) | January 2025 - December 2028
 - **St. Joseph's College, Prayagraj**
 - ISC (XII) - 81.4% (Computer Science: 93%) | Completed 2024
 - ICSE (X) - 88% (Computer Science: 95%) | Completed 2022
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CERTIFICATIONS & UPSKILLING

- Certified Workshop on AI Dashboards using Microsoft Power BI.
- Data Analytics with Generative AI (Simplilearn SkillUp).
- SQL Bootcamp / SQL Joins Certification Course.
- Prompt Design in Vertex AI (Google Cloud Skill Badge).
- Unleashing the Power of AI Agents.
- Cybersecurity Upskilling Course (Tech Mahindra Foundation).