

PARAS SINGH

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EDUCATION

Maharaja Agrasen College, IGNOU

Master of Computer Application

Delhi, India

June, 2019 – Aug, 2022

Maharaja Agrasen College, DU

Bachelor of Commerce (Hons.)

Delhi, India

June, 2016 – Aug, 2019

SKILLS

- **Languages:** Python, Java
 - **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib
 - **Frontend** – HTML, CSS, JS, React
 - **Backend** – Flask, Django
 - **Databases:** MySQL, MongoDB
 - **Tools:** Power BI, Excel, PowerPoint
 - **Platforms:** PyCharm, Visual Studio Code, Jupyter Notebook, IntelliJ IDEA
 - **Soft-skills:** Addressing challenges, delivering speeches, and fostering connections.
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WORK EXPERIENCE

Data Analyst | Pranjali GrowCap

May, 2022 – April, 2024

- Optimized ETL pipeline, slashing processing time by 70% through automation.
 - Automated reporting system with Python and SQL, reducing manual work by 90%.
 - Aligned 3+ teams on projects, ensuring business goals were met.
 - Delivered 15+ concise reports, enabling actionable insights for stakeholders.
 - Implemented Python/BeautifulSoup web scraping for enriched data analysis.
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PROJECTS

Customer Segmentation

- Segmented customers into 6 groups via k-means clustering based on demographics and spending.
- Uncovered behavior patterns, refining marketing strategies and boosting consumer satisfaction.

Chat Bot

- Built a Python chatbot with NLTK for text processing, tokenization, and sentiment analysis.
- Engineered a dialogue system to manage user interactions and generate relevant responses.

Credit Card Fraud Detection

- Developed logistic regression ML model with 87% fraud prediction accuracy.
 - Reduced fraudulent transactions and improved model efficiency by 23%.
 - Enhanced accuracy by 6% through fine-tuning techniques.
 - Reduced false positives by 16% with feature engineering and hyperparameter tuning.
 - Improved performance by 15% using under-sampling and ensemble techniques.
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CERTIFICATIONS

PCAP: Programming Essential in Python (Cisco Networking Academy)

- Learned to decompose problems into logical steps & translate them into Python code.
- Grasped core concepts like data types, control flow, functions, and OOP.
- Wrote clean, maintainable Python code using best practices for efficiency and reusability.

AWS Cloud Practitioner Essential (AWS & Training)

- Gained foundational knowledge of AWS services, security, architecture, pricing, and support
- Boosted understanding of leveraging the AWS Cloud for building and deploying solutions.

Data Science (IBM)

- Learned and applied data analysis techniques using industry-standard tools.
- Acquired expertise in data wrangling, visualization, and model building for data-driven decision making.
- Gained a comprehensive understanding of the data science lifecycle, from data acquisition to model deployment.