

KARAN SINGH

AI and Data Science Intern

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📍 Uttarakhand, India

SUMMARY

I am a passionate and innovative AI and Data Science Intern striving to enhance my expertise in Artificial Intelligence and Machine Learning. Currently pursuing a B.Tech in Computer Science Engineering, I have successfully completed various data science projects and played a key role in AI-driven initiatives. My experience includes model development, data visualization, and collaborative project work, underscoring my commitment to delivering high-quality results

EXPERIENCE

AI Intern

Digital Word of Mouth

📅 06/2025 Present

An organization focused on innovative digital marketing solutions

- Assisting in the development and refinement of AI social media post generator
- Utilizing Python and Groq cloud to generate information by searching on web and posting to multiple social media accounts
- Gaining hands-on experience in developing agentic AI and digital marketing

Data Science Intern

Prodigy InfoTech

📅 01/2025 02/2025

A data-driven company providing insights and analytics for businesses

- Completed 4 end-to-end data science projects, including data preprocessing, model development, and deployment using Python libraries
- Built and deployed machine learning models for predictive analytics, achieving a 15% improvement in model accuracy
- Utilized data visualization tools (Matplotlib, Seaborn) to create insightful dashboards and reports

EDUCATION

B.Tech in Computer Science Engineering spec.AI ML

Haridwar University 📅 08/2023 📍 India

SKILLS

- **Programming Languages:** Python, SQL, C, JavaScript
- **Soft Skills:** Collaboration, Problem-Solving, Communication, Time Management, Adaptability
- **Data Science Libraries:** NumPy, Pandas, Matplotlib, Scikit-learn
- **Tools & Platforms:** Git, Jupyter Notebook, AWS, PowerBI, Wordpress
- **Databases:** MongoDB, MySQL, SQLite

CERTIFICATIONS

- **Machine Learning with Python - IBM** ([link](#))
-Focused on machine learning algorithms, data processing, model evaluation, and deployment.
- **Introduction to Front-End Development - Coursera** ([link](#))
-Learned HTML, CSS, JavaScript

PROJECTS

Secure User Authentication System | Django, Python, SQL | June 2025

- Developed a robust user authentication system using Django (Python), enabling secure user registration, login, and logout functionalities.
- Implemented comprehensive input validation for user registration, including checks for existing credentials, password complexity, and username constraints.
- Engineered an email-based account activation flow, integrating token generation for enhanced user verification and security.
- Configured an administrative interface for user management, showcasing backend control and data oversight.

Chess Game | Python, Pygame | May 2025

- Developed a complete Player-vs-Player (PvP) Chess Game in Python, applying object-oriented principles for modular design and game logic.
- Engineered an interactive graphical user interface (GUI) with customizable themes and integrated sound effects for an enhanced user experience.
- Applied complex chess rules, including "en passant" and castling, demonstrating meticulous attention to detail in rule enforcement.
- Managed project assets and code versioning, ensuring efficient development and maintainability.

Decision Tree classifier for customer purchase Prediction | ([link](#)) | Feb 2024 – Mar 2024

- Developed and implemented machine learning models for predictive analytics, leveraging Python libraries such as Pandas, NumPy, and Scikit-learn with an accuracy of 90.8 %
- Created data visualizations and dashboards using Matplotlib and Seaborn to communicate insights effectively.
- Collaborated on end-to-end data science projects, including data cleaning, feature engineering, and model evaluation.

SMS Spam Classification System | ([link](#)) | Jul 2024 - Aug 2024

- Achieved 97% accuracy with SVC model for spam message detection.
- Conducted data preprocessing and visualization using Pandas, Matplotlib, Seaborn.
- Integrated model with ReactJS frontend and Jupyter Notebook for user interface.
- Tech Stack: Python, ReactJS, Scikit-learn, NLP, NLTK, Pandas, Matplotlib, Seaborn, Jupyter Notebook