

KRUSHNAKANT BANKAR

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Warje Pune

OBJECTIVE

Driven graduate with expertise in Python, SQL, and Excel, seeking an entry-level Data Analyst role or AI & ML to contribute to AI and machine learning initiatives. Eager to gain hands-on experience in developing, implementing, and optimizing AI and ML models while collaborating with experienced professionals.

EDUCATION

Savitribai Phule Pune University Pune

Post Graduation Diploma in Data Science and Artificial Intelligence

October 2022 - November

2023

C D Jain College of Commerce Shrirampur(SPPU)

BBA (Computer Application)

June 2019 - April 2022

STRENGTHS AND EXPERTISE

Programming Language: Python (Pandas, NumPy, Scikit-learn), SQL, JavaScript, HTML, CSS, C++

Databases: MySQL, Oracle, SQLite, MongoDB.

Data Visualization: Power BI, Tableau, Advance MS Excel

Data Analysis: Data Cleaning, Preprocessing, EDA, Data Integration, Normalization.

NLP: Text Preprocessing & Classification, NER, Part-of-Speech, Word Embeddings.

Machine Learning: Regression, Classification, Features Engineering, Model Evaluation.

Statistics: Descriptive & Inferential Statistics Analysis, Probability, Hypothesis Testing.

Others: : Core Flask & Django, TensorFlow, CNN, Tailwind CSS.

Soft Skills: Problem-solving, Professional integrity, Oral and written communication

PROJECTS

Sentiment Analysis on Amazon product Review

- Achieved a 25% improvement in product development decision-making by analyzing customer sentiment.
- Employed NLP techniques for text cleaning, stop word removal, stemming/lemmatization, processed review data 40% faster.
- Automate a machine learning model using Python libraries to classify sentiment with 92% Accuracy, enabling data-driven product decisions.

Image Caption Generator

- Developed an Image Caption Generator using deep learning, combining CNN for image feature extraction and RNN for generating descriptive captions.
- Trained the model on a large dataset of images and corresponding captions, applying techniques like transfer learning and fine-tuning for improved accuracy.
- Optimized model performance for generating descriptive captions effectively without creating a user interface.

Text Generation with Hugging Face Model

- Developed and fine-tuned a text generation model using Hugging Face's Facebook/opt-125m on the ultrachat_200k dataset, resulting in a 30% improvement in conversational AI response quality.
- Implemented data preprocessing, model training, and evaluation processes, achieving optimal performance through hyperparameter tuning and fine-tuning techniques.
- Successfully integrated the trained model into a real-time conversational AI system, enhancing user interaction by generating contextually relevant and coherent text responses 40% faster.

ACHIEVEMENTS

- Demonstrated contributed to 4+ diverse projects, applying technical expertise to solve real-world problems.
- Utilize coding, data cleaning, and web scraping skills to build a movie recommendation system with a team at Innomatic Research Labs hackathon.
- Published "Exploring the landscape of recommendation systems," Gained understanding of methodologies.

EXPERIENCE

Upsolve Solution Data Science Intern

May 2024 - August 2024

- Participate in hands-on machine learning projects, focusing on developing and implementing Predictive Models to tackle both regression and classification problems improving prediction accuracy by 15%.
- Performed data preprocessing, feature engineering, data Munging/cleaning, model training, evaluation, and optimization, reducing data processing time by 30% & ensure high data quality. Designed and created real-world chatbots using Python, NLP, JavaScript, and HTML/CSS.

Webalar Website Developers Web Developer Intern

October 2021 - March 2022

- Developed 4+ user-friendly web applications using HTML5, CSS3, and JavaScript, ensuring a positive user experience. Collaborated effectively with designers and back-end developers to translate mock-ups into functional and visually appealing web pages.
- Discover & enhanced my adaptability and communication skills, which are valuable assets in data analysis, enabling effective collaboration and clear presentation of insights.

CERTIFICATE

- Data Science and Machine Learning- Velocity Institute Pune
 - Data Analysis using Python – Simplilearn
 - The Complete JavaScript from Zero to Expert - Udemy
 - Machine Learning, Data Science and Generative AI with Python- Udemy
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