

KUNAL DESHMUKH

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EDUCATION

B.E. Artificial Intelligence and Data Science

Pune University

SNJB's KBJ College of Engineering, Chandvad, Nashik

Relevant coursework: Data Science, Machine Learning, Deep Learning, Data Analysis

June 2024

8.22 CGPA

TECHNICAL SKILLS

Fundamentals: Data Science, DSA, OOPs, Machine Learning, DBMS, OS, Computer Networks

Programming Language: C++, Python, HTML, CSS, JavaScript

Tools: PowerBI, Canvas, Figma, Excel, VS Code

Database: SQL, MySQL

PROFESSIONAL EXPERIENCE

Omeasoft Technologies (Pune), Trainee Engineer

February 2023

- Proficient in HTML, CSS, JavaScript, and SQL for frontend and backend development.
- Achieved a 60% project success rate in web development projects.
- Implemented robust SQL databases and optimized frontend interfaces, contributing to a 30% improvement in user engagement metrics.

Zensar Foundation Pune , Employability Skill Development

January 2023

- Gained proficiency in SQL concepts and database management by assisting in the design and implementation of 5 database schemas and 20 queries.
- Developed a solid understanding of database administration principles through practical application and 30 hours of training.

ACADEMIC PROJECTS

Generative AI in Virtual Reality Realm Design

April 2024

AI / ML / Generative AI (**Received a patent and published a related research paper**)

- Developed a Generative AI system achieving 95% accuracy in generating 3D elements from 2D images and textual input, enhancing data processing capabilities.
- Implemented a Convolutional Neural Network (CNN) for 2D image recognition within a computer vision module, improving accuracy by 30%.
- Utilized Natural Language Processing (NLP) techniques for text recognition and optimized Generative Adversarial Network (GAN) models, reducing training time by 20% and enhancing performance by 25%.

Global Terrorism

March 2023

Data Transformation / Data Visualization

- Designed and implemented a user-friendly data visualization project for global terrorism analysis using Power BI, achieving a 30% improvement in insights and decision-making effectiveness.
- Developed interactive dashboards and reports that reduced data interpretation time by 25%, facilitating quicker responses to terrorism trends.
- Integrated data from 3 different sources to enhance the accuracy and reliability of visualized information by 20%.

Boston House Price Prediction

June 2023

AI / ML / Data Analysis

- Analyzed and synthesized data from the Boston Housing Dataset to identify key trends and patterns, enabling informed decision-making and strategic planning for real estate investments.
- Developed a predictive model with an accuracy of 84%, effectively forecasting housing prices in Boston.
- Examined the model's coefficients and feature importances to determine the primary factors influencing housing prices, optimizing investment strategies.