Krupanshi Patel

"Aspiring Data Scientist | Skilled in Data Analysis & Machine Learning"

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https://portfolio-krupanshii2308-gmailcoms-projects.vercel.app/

Krupanshi Patel
krupanshii

Summary

A driven data scientist with expertise in **data analysis, machine learning, and statistical modeling**, proficient in **Python, SQL, Tableau, Power BI, and Excel** for deriving insights and crafting visualizations. Skilled in critical thinking and problem-solving, with foundational knowledge of **Java, C, and C++**. Passionate about leveraging data-driven strategies to solve complex challenges and drive innovation in data science.

Experience

MindstormSoft   **April 28, 2024 - March 26, 2025**

Developer   416 Hill Town Landmark, Nikol, Ahmedabad, Gujarat 382350

https://mindstormsoft.com/

Content and Technical Writer | Artificial Intelligence With Machine Learning

- Contributed as both a content and technical writer, showcasing expertise in creating comprehensive documentation and engaging content.
- Real-Time Avatar Animation: Built a Python-based system for real-time avatar animation using deep learning. Integrated facial detection, expression mapping, and lip-syncing for dynamic animations.

iSyncEvolution Pvt Ltd   **June 2025 - Present**

Developer   Ahmedabad, Gujarat

https://www.isyncevolution.com/

Backend Developer

Developed backend APIs and managed MySQL database architecture for a multi-role fitness community platform. Implemented secure authentication, role-based access, and data models using Node.js. Designed and optimized relational schemas to support real-time user interactions and system scalability. Collaborated closely with Flutter frontend teams for API integration

Education

LDRP-Institute of Technology and Research   **October 2021 - May 2025**

Information Technology   Bachelor of Engineering

Skills

Languages
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SQL, Python, Java, C++, C, JavaScript

Frameworks & Libraries
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Matplotlib, Seaborn, Plotly, Node.js, Express.js, TensorFlow, Keras, PyTorch, OpenCV, Pandas, NumPy

Data Visualization
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Matplotlib, Seaborn, Plotly, Tableau, Power BI, Excel

Tools & Platforms
●●●●○

GitHub, VS Code, Jupyter Notebook, Postman, Firebase, MySQL

Soft Skills & Concepts
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API Development, Feature Engineering, Model Evaluation, Team Collaboration, Version Control

Projects

Fund Trail Analysis Tool

Developed a machine learning–based tool to trace suspicious fund flows and detect fraudulent transaction patterns in financial datasets.

Placement trend prediction

Based on the previous years' of placement data, built a model for predicting the placement chances along with the other useful insights of the respective company.

Deep Fake Detection System

Built an AI-based detection system using CNN and LSTM variants to analyze manipulated videos and generate authenticity reports.

Publications

A Comprehensive Survey on Explainable Deepfake De-tection: Techniques, Challenges, and Future Directions   29 April 2025 (Acceptance Date)
IEEE Xplore

Surveyed recent XAI techniques in deepfake detection, evaluated models across major datasets, and highlighted trade-offs between interpretability and performance. Proposed research directions for improving explainability, efficiency, and benchmarking.

Certifications

Deloitte Australia - Data Analytics Job Simulation   **May 2025**
Deloitte (Via Forage)

BCG - Data Science Job Simulation   **May 2025**
BCG (via Forage)

Data Analytics and Visualization Job Simulation   **January 2025**
Accenture North America (via Forage)

Data Visualisation: Empowering Business with Effective Insights Job Simulation   **January 2025**
Tata Group (via Forage)

Applied Data Science with Python - Level 2   **December 2024**
IBM

Getting Started with Enterprise Data Science   **August 2023**
IBM

Awards

IdeaThon '23 Winner at Dhirubhai Ambani Institute of Information and Communication Technology   **February 2023**
Markoknow: Founders Building Founders

Won first place at DA-IICT for **ReAuto**, a transportation solution with **advanced features and service modules surpassing Uber**, outperforming the **Business Committee of DA-IICT**. Recognized by Markoknow for innovation in systematic circulation and logistics. Demonstrates my ability to deliver industry-leading, impactful solutions.