Vishwas Kaushik

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Professional Summary

Computer Science undergraduate with practical experience in AI-based projects, teaching assistantship, and technology automation. Skilled in Python, MySQL, and academic project execution. Passionate about problem-solving and educational technology.

Education

NIIT UNIVERSITY
BTech in Computer Science | Neemrana, Rajasthan | May 2026
Current CGPA: 8.62

RS MEMORIAL INT SCHOOL
Higher Secondary Schooling | Jodhpur, Rajasthan | July 2021
Percentage: 79.6

CENTRAL ACADEMY
Secondary Schooling | Jodhpur, Rajasthan | May 2019
Percentage: 87.2

Skills

Programming & Libraries: Python (Pandas, NumPy, Scikit-learn, Matplotlib), JavaScript, Node.js, Express, React, MySQL, MongoDB
Tools: Power BI, Git, Jira, Asana
Soft Skills: Communication, Collaboration, Critical Thinking, Time Management

Coursework

Machine Learning, Predictive Modeling for Data Science, Numerical Methods for Data Science, Data Structures, Artificial Intelligence, Software Engineering, Data Mining, Cloud Computing Concepts

Experience

Learning Assistant

CoEET - Center of Excellence in Educational Technology | Neemrana, Rajasthan

Research and Planning Desk (Aug 2023 – May 2024)
- Created Projects Bank based on real-world, institutional, and industry requirements.
- Mapped students to projects based on industry needs.
- Analysed data collected from survey forms and project outcomes to improve allocation and tracking.

Teaching Assistant

CoEET - Center of Excellence in Educational Technology | Neemrana, Rajasthan

Mentoring Desk (Aug 2024 – Dec 2024)
- Developed interpersonal and mentoring skills through direct student engagement.
- Designed targeted survey forms and conducted data analysis to evaluate mentor performance.

Technology Desk (Jan 2025 – May 2025)
- Researched, deployed, and managed technology tools and Asana project workspaces to optimize student project coordination.
- Facilitated cross-department collaboration and initiated CMS transition by testing features and exploring discussion tools to enhance feedback channels.

Projects

Riskos: Stock Risk Analysis Web App | https://github.com/VK-627/Riskos.git
Built a full-stack web application to evaluate investment portfolio risks using key financial metrics such as VaR, CVaR, and Sharpe Ratio. Integrated real-time and historical stock data from APIs (Yahoo Finance, Alpha Vantage) and applied ML models like ARIMA and GARCH for volatility forecasting. Implemented backend risk computations with Python and developed an interactive frontend with React. Project developed as part of a university-led capstone in a 4-member team.

Automated Image Classification and Repository Management System |
Developed a web-based application to automate image classification and storage using Convolutional Neural Networks (CNNs) for feature extraction and tagging. The system allows users to upload images via a user-friendly interface, automatically categorizing and organizing them into a searchable repository. Eliminated the need for manual sorting by implementing intelligent classification logic and backend integration for scalable storage. Developed as part of a 3-member academic project.