

Vishwas Kaushik

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Experience

Teaching Assistant, NIIT University, Neemrana	Aug 2023 - May 2025
Worked in the Centre of Excellence in Educational Technology (CoEET), contributing to project planning, data analysis, and technology integration to optimize student project workflows.	
<ul style="list-style-type: none">Coordinated and tracked 80+ academic projects per semester, mapping student teams to industry-relevant initiatives using survey-based data analysis.Researched, deployed, and managed technology tools (Asana, CMS) to streamline collaboration across 6+ desks and enhance feedback channels.Designed and implemented project allocation and evaluation workflows using Excel and survey data, making the process more robust and systematic for consistent execution each semester.	

Projects

Riskos: Stock Risk Analysis Web App GitHub Link
<ul style="list-style-type: none">Used Python, JavaScript, React, and financial APIs to build a full-stack web application for evaluating portfolio risks using metrics like VaR, CVaR, and Sharpe Ratio.Implemented ML models (ARIMA, GARCH) for volatility forecasting and integrated real-time/historical stock data from Yahoo Finance and Alpha Vantage APIs.Delivered a responsive, interactive dashboard enabling data-driven investment decisions, gaining hands-on experience in time series analysis, financial modelling, and full-stack development.
Empowering Rural Healthcare through AI Solutions GitHub Link
<ul style="list-style-type: none">Used Hierarchical Ensembling in Multi-Modal with Late Fusion to predict cancer stages by combining deep learning on medical images (ResNet18, DenseNet121).Implemented a comparative study against existing models, integrating ensemble stacking to reduce overfitting, and explored Generative AI for synthetic dataset creation to address data scarcity.Gained expertise in multi-modal ML pipelines, medical image preprocessing, fusion techniques, and model evaluation (accuracy, precision, F1-score, recall), with potential applications in early disease detection.

Education

B.Tech. in Computer Science, NIIT University	2022 to 2026
CGPA: 8.62	
Relevant Modules: Machine Learning, Predictive Modelling, Inferential Statistics, Numerical Methods, Artificial Intelligence, Agentic AI and AI Agents.	
XII, RS MEMORIAL INT SCHOOL (CBSE)	2021
X, Central Academy (CBSE)	2019

Skills

<ul style="list-style-type: none">Programming & Libraries: Python (Pandas, NumPy, Scikit-learn, Matplotlib), R, JavaScript, SQL, React.jsDatabases: MySQL, MongoDBData Analysis & Visualization: Power BI, Statistical AnalysisFrameworks & Tools: Docker, Jenkins, Git, Asana, Vercel
