

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">Built a full-stack web app with Python, JavaScript, React, and financial APIs to evaluate portfolio risks (VaR, CVaR, Sharpe Ratio) and forecast volatility (ARIMA, GARCH).Containerized the app with Docker and set up CI/CD automation in Jenkins for build/test updates.
Predictive Modeling Case Study Portfolio GitHub Link
<ul style="list-style-type: none">Completed 11 end-to-end machine learning case studies in Google Colab using CSV datasets, applying techniques such as exploratory data analysis (EDA), regression, classification, clustering, time series forecasting, feature engineering (PCA), deep learning (CNNs), and model evaluation with cross-validation.Built domain-specific solutions across finance, astronomy, e-commerce, and computer vision, gaining practical experience in translating data into actionable insights through statistical analysis and predictive modelling.
Empowering Rural Healthcare through AI Solutions (R&D)
<ul style="list-style-type: none">Built a multimodal cancer stage prediction pipeline combining deep learning on medical images (ResNet18, DenseNet121) using late fusion ensemble techniques.Conducted a comparative study against baseline models and explored Generative AI for synthetic dataset creation to address data scarcity, improving robustness in a research context.

Education

B.Tech. in Computer Science, NIIT University	2022 to 2026
CGPA: 8.62	
XII, RS MEMORIAL INT SCHOOL (CBSE)	2021
X, Central Academy (CBSE)	2019

Skills

<ul style="list-style-type: none">Programming & Libraries: Python, R, JavaScript, SQL, Pandas, NumPy, Scikit-learn, Matplotlib, SeabornDatabases: MySQL, MongoDBData Analysis & Visualization: Power BI, Exploratory Data Analysis (EDA)Frameworks & Tools: Docker, Jenkins, Git, Asana, Jupyter NotebookCore Competencies: Machine Learning, Artificial Intelligence, Deep Learning, Statistics, Predictive Modeling
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