

VANSH DESHWAL

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Education

Bhagwan Parshuram Institute of Technology

2018 – 2022

B.Tech in Electronics and Communication Engineering

Indian Statistical Institute

2024 – 2026

M.Tech in Cryptology and Security

Certifications & Coursework

- Deep Learning Specialization by Andrew Ng
- Machine Learning
- Programming and Data Structures
- Information Theory
- Algorithms
- DBMS

Projects

Fake News Detection System | *Python, scikit-learn, FastAPI*

March 2025

- Trained logistic regression and random forest classifiers on TF-IDF features to identify fake news articles.
- Achieved over 92% accuracy on test set; deployed model via a Flask web app for demo use.

Stock Price Prediction | *Python, LSTM, Keras, Yahoo Finance API*

February 2025

- Built LSTM-based neural network to forecast stock price movements using past 60-day windows.
- Implemented MinMax scaling and early stopping for robust time-series prediction.

Image Classifier Web App | *PyTorch, Streamlit, FastAPI*

January 2025

- Trained ResNet18 on CIFAR-10 dataset with data augmentation and learning rate scheduling.
- Deployed interactive image upload interface using Streamlit; backend served by FastAPI.

Experience

PHP Developer Intern — Telecommunications Consultants India Limited

Mar '21 – Apr '21

Remote

Intern

- Built a Jira-style complaint management web app using PHP, MySQL, HTML, CSS, and JavaScript.
- Implemented end-to-end issue tracking workflows, from ticket creation to resolution.
- Applied Agile methodologies: sprint planning, Kanban boards, and backlog prioritization.
- Developed customizable workflows to adapt to diverse organizational processes.

Cybersecurity Teaching Assistant — Pianalytix Edutech Pvt. Ltd.

Jul '21 – Sept '21

Remote

Intern

- Produced and edited video modules on cybersecurity fundamentals and advanced topics.
- Co-authored curriculum materials, including hands-on labs and assessment assignments.
- Simplified complex concepts (e.g., cryptography, network security) for diverse learner levels.
- Facilitated virtual sessions and Q&A to boost student engagement and comprehension.

Technical Skills

Languages: Python, SQL, C

Libraries/Frameworks: NumPy, Pandas, scikit-learn, matplotlib, seaborn, PyTorch, FastAPI

Tools: Jupyter, Git, Docker, Streamlit, Tableau, Linux, VS Code

Concepts: Supervised/Unsupervised Learning, Neural Networks, NLP, CV, Time Series, EDA, Statistics

Leadership / Extracurricular

Placement Coordinator, ISI

Aug 2024 – Present

Placement Cell

Kolkata, India

- Coordinated with companies and students to facilitate internship and job placements.
- Organized mock interviews and resume review sessions for peers.