Prashant Shukla

+91 9198551555 | prashantshukla9812@gmail.com | linkedin.com/in/prashant-shukla | github.com/prashantshukla01|
medium.com/prashant.1504| leetcode.com/u/er.prashant01| leetcode.com/u/er.prashant01

EDUCATION

KIET Group of Institutions   Delhi NCR, India
CSE (Artificial Intelligence & Machine Learning)   *Oct. 2023 – June 2027*

SJS Public School   Raebareli, India
Intermediate   *April 2021 – June 2022*

TECHNICAL SKILLS

Programming: Java, Python, C/C++, SQL, Kotlin
Data Analysis Tools: Numpy, SciPy, TensorFlow, PyTorch, Keras, Matplotlib
Big Data: Apache Spark
Tools & Infrastructure: Git, Docker, AWS/Cloud Services
Machine Learning Techniques: Classification, Regression, Dimensionality Reduction , Ensembling Methods

PROJECTS

Network Security [GitHub] | *Python, Flask, Machine Learning*   Oct 2025 – Nov 2025
- Built a Network Intrusion Detection System (NIDS) using Python, Scikit-learn, and FastAPI, integrating MLflow tracking via DagsHub and AWS S3 for model and artifact management within a complete end-to-end MLOps pipeline.
- Automated data ingestion, validation, transformation and training pipelines improving cyber threat detection efficiency by 30% through scalable MLOps integration.

Herb-Chain [GitHub] | *Computer Vision,Vision Transformer (ViT) ,Transfer Learning*   Sept 2025 – Nov 2025
- Engineered ViT model with 94.7% accuracy for herb identification, reducing manual checks by 89%
- Fine-tuned ViT model achieving 94.7% accuracy in real-time plant disease detection using transfer learning

Crypto Forecasting [GitHub] | *Flask,REST APIs, Bootstrap, Joblib ,Scikit-learn*   Aug 2025 – Aug 2025
- Implemented a full-stack application leveraging Random Forest regression with automated data processing pipelines.
- Designed time-series features from historical market data, achieving robust accuracy metrics (MAE/RMSE) across 100+ digital assets.

EXPERIENCE

Core Team   August 2024 – Present
Innogeeks   *KIET Group of Institutions*
- Actively teaching and mentoring 35+ junior members in the domain of Machine Learning.
- Organized and hosted 5+ Machine Learning bootcamps and technical workshops, national level hackathons increasing participation and improving skill adoption across 6+ departments.

AWARDS AND ACHIEVEMENTS

Graph-e-Thon 2.0
Top 5 in India   *Graphic Era University*
- Developed smart solar tracking system utilizing CNN for dust detection, increasing energy output by 50% via real-time sunlight orientation.
- Implemented sensor-driven automation and power efficiency algorithms enhancing renewable energy utilization by 30%.

CERTIFICATIONS

Oracle Data Science Professional Certification [Link]
- Data Science – Machine Learning, Predictive Analytics, Model Deployment (Oracle Certified)

Machine Learning [Link]
- Advanced machine learning techniques and statistics