YASH PANDEY

NEW DELHI, INDIA | +91 9821946530 **|** Email: yashpandey1626@gmail.com | LinkedIn | GitHub

---

EDUCATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, New Delhi, India **Expected Graduation**:2026

- B.tech in Artificial Intelligence & Data Science*;* 8.96 SGPA (till 5th SEMESTER)

SKILLS SUMMARY

- **Languages**: Python, Machine Learning, NLP, Data Analysis, Deep Learning, Data Science ,Flask, SQL
- **Tools & Platforms**: Git, GitHub, AWS, Docker
- **Familiar Technologies**: React.js, C, C++, MongoDB,prompt writing

---

WORK EXPERIENCE

Data Science Intern

Untitled Ventures | October 2024 – Present | Delhi/Remote (Hybrid)

- Worked on Lagoon.works, a robust recruiting software, developing a scalable filtering system to optimize candidate search.
- Designed and implemented a resume extraction pipeline using python, done EDA, Data Collection & Cleaning on many datasets
- Creating dashboards with Power BI, Tableau, or Plotly.

PROJECTS

Network Security *(Link)*

Skills used: Python, FastAPI, Docker, AWS CLI, S3, MongoDB

- Designed and implemented a machine learning pipeline for phishing detection, including data ingestion, validation, transformation, model training, and deployment.
- Developed modular components for data preprocessing, feature engineering, and model training with reusable configurations.
- Automated the training pipeline with logging and exception handling to ensure reliability.
- Stored and managed artifacts (final_model.pkl, preprocessor.pkl) and intermediate outputs in an AWS S3 bucket for scalability.
- Built a FastAPI-based backend to serve model predictions, enabling real-time phishing detection.

KisanSeva: Revolutionizing Farming with AI & IoT *(Link)*

Skills used: React Native, Firebase, Python, Machine Learning, Python Libraries

- Built IoT-integrated real-time monitoring system, reducing manual oversight by 100% and optimizing irrigation schedules.
- Deployed a Random Forest model for NPK fertilizer prediction, achieving $R^2 = 0.93$
- Streamlined sensor data collection and alerting, enhancing crop health and operational efficiency.

Number Plate Recognition System*(Link)*

Skills used: Python, Tensorflow with keras,python libraries, opencv,CNN

- Achieved 97.01% accuracy using, successfully detects and recognizes Indian number plates,CNN architecture with Conv2D, MaxPooling, Dropout, and Dense layers.
- Uses categorical cross-entropy loss and Adam optimizer.

ACHIEVEMENTS AND CERTIFICATIONS

- **ISRO Bhartiya Antariksh Hackathon – 2024 | View LinkedIn Post with photos of the certificate and award** Secured Top 12 nationwide among 3,500+ teams and 34,000 students.
- **Smart India Hackathon 2024: SMART INDIA HACKATHON 2024 FINALIST | *CERTIFICATE***