Ujjwal Srivastava

+91-9580186667 | ujjwallsrivastavaa@gmail.com | linkedin.com/in/ujjwallsrivastavaa | github.com/ujjwallsrivastavaa

Education

Noida Institute of Engineering & Technology — Greater Noida, India
B.Tech in Computer Science Engineering(Artificial Intelligence Machine Learning) — *Nov. 2022 – June 2026*

Technical Skills

Languages: Python, Java, C, C++, JavaScript, SQL
Frameworks/Technologies: React.js, Node.js, Express.js, Scikit-learn, TensorFlow, PyTorch, Flask, HTML, CSS
Developer Tools: Git, Google Cloud Platform, Microsoft Azure, VS Code, Postman, MongoDB, PowerBI, Tableau
Coursework: Data Structures and Algorithms, Object-Oriented Programming Operating Systems

Experience

Technical Consulting Writer — Dec. 2024 – Present
Atlan — *Remote*

- Creating clear, user-focused documentation and guides to support Atlan's platform users.
- Collaborating with cross-functional teams to simplify complex technical concepts for diverse audiences.

Team Leader — Aug. 2024 – Dec. 2024
Smart India Hackathon 2024(Winner) — *On-site*

- Led a team of 6 to victory in the Smart India Hackathon 2024 by successfully solving PSID: SIH1640 posed by the Ministry of Agriculture and Farmers Welfare.
- Developed AgriShield, an AI-driven online contract farming platform to empower farmers and buyers.

Projects

AgriShield | *MERN, Python, Scikit-learn, Decision Tree, Razorpay, Socket.io*

- Developed a **MERN** stack platform connecting farmers and buyers for secure contract farming.
- Built an **AI**-driven crop price predictor using **Python** and **Decision Tree**, achieving 90% accuracy.
- Integrated **Razorpay API** for secure payments with **escrow** services.
- Implemented real-time chat functionality using **Socket.io** to improve user communication.

CropTrends | *NumPy, Pandas, Python, Scikit-learn, XGBoost, Flask*

- Developed a **machine learning** model to predict crop prices using state, district, and historical data.
- Utilized **Scikit-learn** for regression algorithms, processing **50,000+** data entries with **NumPy** and **Pandas**.
- Leveraged machine learning, including **XGBoost**, to achieve **85%** accuracy in crop price forecasting.
- Designed and deployed a responsive frontend with **Flask**, managing cross-origin requests using **Flask-CORS**.

Wastefy | *Python, OpenCV, TensorFlow, YOLOv8, Streamlit*

- Designed and deployed a **Streamlit** application for real-time waste classification, processing **10,000+** images.
- Utilized **YOLOv8** for high-accuracy waste detection and classification, achieving **92%** accuracy.
- Employed **Python** and **OpenCV** for model implementation, boosting performance by **30%**.
- Implemented **TensorFlow** for training and optimizing the model, reducing inference time by **20%**.

Achievements

- **Smart India Hackathon** (SIH) 2024 Winner
- **Vultr Cloud Hackathon** Finalist
- **CodeAThon by Codetantra** Top 5

Certifications

- Build a natural language processing solution with Azure AI Language
- Build an Azure AI Vision solution
- Create an intelligent document processing solution with Azure AI Document Intelligence
- Python for Data Science, AI & Development