

AMAN KUMAR SRIVASTAV

B.Tech. - Computer Science & Engineering

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BRIEF SUMMARY

Aspiring AI engineer with hands-on experience in building high-accuracy models for real-world applications in healthcare and agriculture. Proficient in Python, TensorFlow, and advanced machine learning techniques, I have successfully completed internships and projects that demonstrate my technical prowess. Notable projects include achieving a 98% accuracy in plant leaf disease classification using CNNs and developing an action recognition system with an 86% accuracy using Tensor Flow. My professional experience includes a virtual internship at CODSOFT, where I enhanced decision-making processes and operational efficiency through advanced machine learning techniques. I am passionate about leveraging AI to solve real-world problems and have participated in the Intel Unnati Industrial Training Program to further hone my skills.

KEY EXPERTISE

Python Machine Learning Java Data Structures

EDUCATION

Brainware University, Kolkata

2021 - 2025

B.Tech. - Computer Science & Engineering | Percentage: 84.57 / 100

College Of Commerce, Arts and Science, Patna

2021

12th | BSEB | Percentage: 71.80 / 100

Adarsh Vikas Vidyalaya, Patna

2019

10th | CBSE | Percentage: 90 / 100

INTERNSHIPS

CODSOFT | IT / Computers - Software

21 Sep, 2023 - 21 Oct, 2023

Machine Learning Intern

Key Skills: Machine Learning Artificial Neural Networks

- Delivered solutions that improved decision-making efficiency by 25% based on stakeholder feedback from project stakeholders for delivering solutions that enhanced decision-making processes and improved operational efficiency.
- Utilized advanced anomaly detection methods in the Spam Mail Detection project, achieving a 95% detection rate and minimizing false positives.
- Managed end-to-end project lifecycle from data collection to model deployment, demonstrating proficiency in handling complex machine learning tasks.
- Participated in regular team meetings to discuss project progress, share insights, and address challenges, promoting effective communication and teamwork.
- Took ownership of data preprocessing tasks, ensuring data quality and integrity for accurate model training and evaluation, resulting in reliable predictions.

PROJECTS

Action Recognition

15 Mar, 2024 - 15 Apr, 2024

Key Skills: LSTM ANN Video Processing Tensorflow Flask

Project Link: <https://github.com/AmanStarLitePro/Action-Recognition>

Designed and implemented TensorFlow-based models to achieve 86% accuracy in activity classification in video files with classes like 'WalkingWithDog', 'Taichi', 'HorseRace', and 'Jumping Rope'.

- Worked on UCF50 Action Dataset.
- Achieved an accuracy rate of 86% in detecting action recognition in videos.

Plant Leaf Disease Classification

15 Feb, 2024 - 15 Mar, 2024

Key Skills: CNN Artificial Neural Networks Machine Learning Tensorflow Flask

Project Link: <https://github.com/stars/AmanStarLitePro/lists/plant-leaf-disease-segmentation>

- Implement Convolutional Neural Network (CNN) for precise classification of plant diseases.
- Enhance crop health by detecting and classifying diseases in tomato, potato, and pepper plants using Image Data.

- Achieved an accuracy rate of 98% in detecting disease of plant leaves.

TeleICU Patient Video Monitoring System

Team Size: 3

Key Skills: LSTM ANN Video Processing Frame Annotation Flask YOLOV8s Ultralytics

Project Link: <https://github.com/AmanStarLitePro/TeleICU-Patient-Monitoring-System>

Collaborated on Object Detection, Motion Detection, and API Integration for TeleICU Patient Monitoring System.
• Detected various objects and identified motion patterns, particularly in patient-alone or family-accompanied scenarios.

SEMINARS / TRAININGS / WORKSHOPS

Unnati Industrial Training Program Institute Name: Intel 20 May, 2024 - 30 Jun, 2024

PERSONAL INTERESTS / HOBBIES

- Playing Games in Free Time

IMs

- WhatsApp - 8294090517

PERSONAL DETAILS

Gender: Male	Date of Birth: 08 Nov, 2004
Marital Status: Single	Known Languages: Hindi, English
Current Address: Barasat, West Bengal, Barasat, West Bengal, India - 700124	Permanent Address: Ramkrishna Nagar, Patna, Bihar, Patna, Bihar, India - 800027
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