Shreyas Vedpathak

shreyasvedpathak@gmail.com +91 - 9881898291 Pune, India
https://www.linkedin.com/in/shreyasvedpathak/ https://github.com/shreyasvedpathak
https://shreyasvedpathak.github.io/ https://stackoverflow.com/users/15226638/shreyas-vedpathak

EDUCATION

MIT World Peace University Jul 2018 – Jun 2022 | Pune, India
Bachelor of Technology
Major: Computer Science and Technology
CGPA: 9.52

SKILLS

Python • C++ • Docker • SQL • HTML • CSS • MongoDB • Scikit Learn • OpenCV • PyTorch
AWS (Amazon Web Services) • Tensorflow • JavaScript • Flask • Problem Solving • Communication

PROFESSIONAL EXPERIENCE

Software Development Intern Nov 2021 – present | Ahmedabad, India
Upjao Agrotech
- Created a modular Python package that would generate a numerical report based on the spatial properties of images. Improved server response time by 45 percent.
- Contributed to the research team by brainstorming and authoring 2 patents.
- Restructured the server architect to make it scalable and flexible with Docker and Kubernetes and faster to develop.

Mentor Aug 2021 – present | Palo Alto, USA
DeepLearning.AI
- Helped candidates enrolled in specific Coursera courses by solving their doubts, sharing learning material, and career advice.

Data Analyst Intern Mar 2021 – Jun 2021 | Pune, India
Analytics Domain
- Created a web application-based analysis tool that would leverage data from public APIs and web scraping.
- Curated 2 courses for Machine Learning and Deep Learning topics at the beginner and intermediate levels.
- With the produced courses and a variety of user-side UI features, developed a web app-based Learning Management System.

PATENTS

A method and system for Encoding and Decoding data on objects by using geometrical shaped markers. Jan 2022 | Ahmedabad, India
Patent Published
A strong alternative to QR codes, barcodes, and RFIDs for simultaneously tagging, tracking, and recognizing multiple objects using computer vision techniques.

PROJECTS

AutiScan Nov 2021 – present
Final Year Project
- The candidate's reaction to a reference video is recorded, and their facial landmarks are utilized to classify them using a CNN + RNN deep learning model.
- Increased accuracy from 60% to 90% using finetuning.

PCOcare: PCOS Detection & Prediction using ML Oct 2020 – Nov 2020
Research Project
- Utilised Exploratory Data Analysis to build a hypothesis.
- Feature Engineering, Model building, and Ensembling of models were used to test the hypothesis.

AWARDS

First Runner Up - NTT DATA AI Hackathon Jul 2022
NTT DATA Services

Best Paper Award Nov 2020
International Conference on Intelligent Systems, Data Science and Computing