

# Shreyas Vedpathak

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## PROFESSIONAL EXPERIENCE

### Software Development Intern, Upjao Agrotech ☑

Nov 2021 – present  
Ahmedabad, India

- Created a modular Python package that would generate a numerical report which helped improve server response time by decreasing latency by 45 per cent.
- Contributed to the research team by brainstorming and authoring 2 patents.
- Restructured the server architecture to make it scalable and flexible with Docker and Kubernetes and faster to develop.

### Mentor, DeepLearning.AI ☑

Aug 2021 – present  
Palo Alto, USA

- Helped candidates enrolled in specific Coursera courses by solving their doubts, sharing learning material, and career advice.

### Data Analyst Intern, Analytics Domain ☑

Mar 2021 – Jun 2021  
Pune, India

- 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.

## PROJECTS

### AutiScan, Final Year Project ☑

Nov 2021 – present

- 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.

### Loan Management System - Flask API, Hackathon Project ☑

Jun 2021 – Jul 2021

- Simple loan management REST API made with Flask and SQLite.
- Token-based authentication.
- Flask Blueprints for future scaling.

### PCOcare: PCOS Detection & Prediction using Machine Learning, Research Project ☑

Oct 2020 – Nov 2020

- Utilised Exploratory Data Analysis to build a hypothesis.
- Feature Engineering, Model building, and Ensembling of models were used to test the hypothesis.

## SKILLS

Python • C++ • Docker • SQL • HTML • CSS • MongoDB • Scikit Learn • OpenCV • PyTorch

AWS (Amazon Web Services) • Tensorflow • JavaScript • Flask • Problem Solving • Communication

## EDUCATION

### MIT World Peace University, Bachelor of Technology in Computer Science ☑

Jul 2018 – Jun 2022  
Pune, India

CGPA: 9.52

## PATENTS

### A method and system for Encoding and Decoding data on objects by using geometrical shaped markers., Patent Published

Jan 2022  
Ahmedabad, India

A strong alternative to QR codes, barcodes, and RFIDs for simultaneously tagging, tracking, and recognizing multiple objects using computer vision techniques.

## AWARDS

### First Runner Up - NTT DATA AI Healthcare Hackathon, NTT DATA Services

Jul 2022

### Best Paper Award,

Nov 2020

International Conference on Intelligent Systems, Data Science and Computing ☑