

Shreyas Vedpathak

✉ shreyasvedpathak@gmail.com ☎ +91-9881898291

in <https://www.linkedin.com/in/shreyasvedpathak> ○ <https://github.com/shreyasvedpathak>

🔗 <https://shreyasvedpathak.github.io> 📖 <https://stackoverflow.com/users/15226638/shreyas-vedpathak>

PROFESSIONAL EXPERIENCE

Role: Software Development Engineer Intern

Nov 2021 – present
Ahmedabad, India

Company: *Upjao Agrotech* [↗](#)

- Contributed to the R&D team by doing the following: data cleaning, preprocessing, model building (training, testing, and deploying) using ML, DL and classical computer vision.
- Created a Python package that 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, flexible, and accelerated development with Docker and Kubernetes.

Role: Mentor

Aug 2021 – present
Palo Alto, USA

Company: *DeepLearning.AI* [↗](#)

- Mentored candidates enrolled in specific Coursera courses by solving their doubts, sharing learning material, and career advice.
- Test new lab exercises before they are released to enrolled students.

Role: Data Analyst Intern

Mar 2021 – Jun 2021
Pune, India

Company: *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.

PROJECTS

AutiScan [↗](#)

Nov 2021 – Jun 2022

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.

Loan Management System [↗](#)

Jun 2021 – Jul 2021

Hackathon Project

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

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.

SKILLS

Python • C++ • Docker • SQL • HTML • CSS • MongoDB • Scikit Learn • OpenCV • PyTorch
AWS (Amazon Web Services) • Tensorflow • JavaScript • Flask • Perl • Bash • Shell

EDUCATION

MIT World Peace University [↗](#)

Jul 2018 – Jun 2022
Pune, India

Bachelor of Technology in Computer Science

CGPA: 9.52

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 tagging, recognizing tracking, and tracking multiple objects using computer vision techniques.

PUBLICATIONS

Genomics, High Performance Computing and Machine Learning [↗](#)

Jun 2021

UIJRT (United International Journal for Research & Technology)

PCOcare PCOS Detection and Prediction using Machine Learning Algorithms [↗](#)

Nov 2020

Bioscience Biotechnology Research Communications

AWARDS

First Runner Up - NTT DATA AI Healthcare Hackathon (Total teams - 7569) [↗](#)

29 Jul 2022

NTT DATA Services hosted by TechGiG CodeGladiators

Ideate and build a working AI product to solve a healthcare-related problem.

Won a prize worth 1.25 Lakh.

Best Paper Award out of 35 papers presented [↗](#)

28 Nov 2020

International Conference on Intelligent Systems, Data Science and Computing

Best Research Paper Award in Machine Learning Track.

CERTIFICATES

• TensorFlow: Advanced Techniques [↗](#)

• Docker and Kubernetes: The Complete Guide

• Modern Application Development with Python on AWS