




Shreyas Vedpathak

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PROFESSIONAL EXPERIENCE

- Role: Software Development Engineer Intern, Company: Upjao Agrotech**  Nov 2021 – present
Ahmedabad, India
- Created a Python package that would generate a numerical report and 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, Company: DeepLearning.AI**  Aug 2021 – present
Palo Alto, USA
- 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, Company: 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

- AutoScan, 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, 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 ML, 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 • Perl • Bash • Shell

EDUCATION

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

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 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** Nov 2020
Algorithms, Bioscience Biotechnology Research Communications [↗](#)

AWARDS

- First Runner Up - NTT DATA AI Hackathon,** Jul 2022
NTT DATA Services hosted by TechGiG CodeGladiators [↗](#)
Ideate and build a working AI product to solve a healthcare-related problem.
Won prize worth 1.25 Lakh.
- Best Paper Award,** 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