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## Education

RTU, KOTA

B.TECH. IN COMPUTER SCIENCE

2016 - 2020

Ajmer, RJ

Major GPA: 7.2 / 10.0

## Links

GitHub Brijendra07

LinkedIn Brijendra07

## Skills

### PROGRAMMING

- Python • C/C++ • Machine Learning
- Deep Learning • OpenCV • MySQL
- PostgreSQL • Neural Networks

### LIBRARIES

- TensorFlow • PyTorch • Scikit-Learn
- NumPy • Pandas • Matplotlib
- Seaborn

### MISCELLANEOUS

- AWS • Git • MATLAB
- LaTeX • Competitive Programming
- Stable Diffusion • ControlNet

## Coursework

### UNDERGRADUATE

- Data Structures and Algorithms
- Operating Systems
- Object Oriented Programming
- Database Management
- Computer Networks
- Discrete Mathematics
- Linux Programming
- Statistical Learning

**Project:** Hand Pose Estimation using Deep Learning

## Certifications

JOVIAN

Deep Learning with PyTorch

INTERNSHALA

Machine Learning Training

COURSERA

Machine Learning

COURSERA

Mathematics for Machine Learning

HACKERRANK

Python Programming

HACKERRANK

Problem Solving

UDEMY

TensorFlow 2 and Keras

(Links are attached to the certificates)

## Experience

NCIRCLE TECH PVT. LTD.

SOFTWARE DEVELOPER

Mar 2022 - Present

Pune, MH

### Project 1: Aro Homes | Backend Development

- Created Database schema using Python and PostgreSQL.
- Developed an ensemble machine-learning model for required predictions.

### Project 2: Vectorworks | C++ Development

- Created a tool plugin for Vectorworks to fetch USD files using C++.
- Using our plugin, users can create a 3D model in Vectorworks and store them in a USD file.

### Project 3: ArchVision | Python Development

- Implemented model filtering in Nvidia Omniverse using Python based on category and tags.
- Users can search models by keywords and categories after filtering implementation.

### Project 4: Vectorworks Stable Diffusion | Scope Documentation

- Conducted comprehensive research, including time estimation, technology requirements, and workflow details, resulting in a detailed project document.
- Received high satisfaction from the Vectorworks team for the document, leading to successful project acquisition for my office and establishing me as a key resource for the project.

### Project 5: Vectorworks Stable Diffusion | Full Stack Development

- Engineered a web dialog plugin for Vectorworks, enabling AI image generation using Stable Diffusion and ControlNet.
- Implemented backend API calls and integrated additional functionalities to enhance overall system capabilities.

## CELEBAL TECHNOLOGIES

MACHINE LEARNING INTERN

Aug 2020 - Sep 2020

Jaipur, RJ

### Project 1: Reliance General Insurance | Machine Learning

- Created a labeled dataset using the LabelMe tool.
- Trained a Detectron 2 model on the dataset and achieved over 80% accuracy in predicting the damaged part of the car.

## Achievements

- Achieved an average rating of 9 for all projects.
- In the ArchVision project, received a flawless rating of 10.
- Received the "Spot" Award in 2023 for dedication and hard work.
- Achieved a perfect rating of 10 for the Vectorworks Scope Document project.
- Continuously maintaining a rating of 9 for the Vectorworks Stable Diffusion project.

## Expertise in Stable Diffusion

- Extensive experience in utilizing Stable Diffusion for rendering applications.
- Successfully integrated Stable Diffusion with Vectorworks, enabling advanced AI image generation capabilities.
- Developed comprehensive project documentation and provided technical guidance, leading to successful project implementations.

**Summary:** Proven track record of consistently delivering high-quality work, as evidenced by exceptional ratings and recognitions. Recognized for dedication and achievements, with a focus on maintaining excellence in both individual projects and ongoing responsibilities.