Sarvang Konnur

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✈ https://darkvo1d.github.io/sarvang-portfolio-website

in https://www.linkedin.com/in/sarvang-konnur-0672b61ba/   ⬡ https://github.com/darkvo1d

Profile

Software Engineer with 3+ years of industrial experience having willingness to quickly grasp and adapt to new technologies, along with working in both team and self-directed settings. My current focus is Machine Learning and have aligned my curriculum towards the same. Understanding the concepts and applying the same in projects is something that I constantly strive to do.

Skills

- HTML/CSS
- Bootstrap
- Javascript
- Git
- Python
- Numpy
- Scikit-learn
- Open-CV
- Matplotlib
- Tensorflow
- Seaborn
- Django
- Pygame
- React

Projects

01/2022 – present

Self Driving 2D Car Game
Tech Stack: python, pygame, tensorflow, open-cv
A game developed in python using the pygame module. The user would be able to select the track he want to drive on. The AI would learn to drive based on the users lap run. Later re-enforcement learning would be applied on imitation learning to improve the results.

02/2022 – 04/2022

OCR
Tech Stack: python, tensorflow, flask
Created a flask application, on which user drawn digits can be recognized using ML model from tensorflow.

09/2021 – 12/2021

Exam Proctoring System
Tech Stack: python, dlib, open-cv, yolo
Uses computer vision to flag moments of fishy means being used by a candidate giving an online exam. Later on those flagged moments can be inspected by the said invigilator.

02/2021 – 04/2021

Minesweeper
Tech Stack: python, pygame
A UI based classic Minesweeper game in python.

03/2022

Online Web Profile ⧉
Tech Stack: React, HTML/CSS, JS
- Created a React Webpage App to showcase my professional profile online.

Professional Experience

02/2022 – present
Canada

Research Associate
AI-HUB @ Durham College ⧉
- Performed sentiment analysis on scraped twitter feed and the historical coin data.
- Predicted the coin prices for the next 3 days.
- Created a Django based dashboard.
- Analyzed and manipulated geo-spatial data.
- Worked with leafletjs to visually show the geo-spatial data on a maps interface on the dashboard.

07/2018 – 07/2021
India

Sr. Software Developer
Zeus Learning ⧉
- Development, maintenance, documentation and testing of new features for internal editor tools and answer processing rules for ALEKS software.
- Automated unit testing using Jasmine and custom APIs.
- Researched different game engines like Unreal, Unity and Phaser, to create 3D simulation games, and developed a demo in Unreal.
- Coordinated development of new features for ALEKS educational web application and managed client communications.
- Researched and Developed and AI system that helped the employer with the recruitment process during Covid times.

Academics

09/2022 – present
Oshawa, Canada

Masters in Business Analytics and Artificial Intelligence
University of Ontario Institute of technology ⧉
Courses included: Business Analytics, Big Data Design Systems, Data Processing and Digital Transformations, AI Programming

09/2021 – 04/2022
Oshawa, Canada

PostGraduate Advance Certificate in Artificial Intelligencce
Durahm College ⧉
Courses included: AI Algorithms, AI Development, Visualization using AI, Applied ML, AI in Enterprise Systems, Knowledge and Expert Systems

08/2014 – 05/2018
Ahmedabad, India

Bachelors of Engineering in Information Technology
LDCE ⧉
Courses included: Data Structures and Algorithms, Data Compression and Data Retrieval, Operating Systems, Python and OOP

Awards or Achievements

2022

Graduated with Honors @ Durham College for PGDM course in AI.

2018

Won gold in inter-college zonal volleyball tournament.

2011

Ranked 2nd in 9th Grade for International Math Olympiad.

2010

Gold Medal in 8th Grade for National Science Olympiad.

References (Contact details can be provided on request)

Erika Pilar, *Project Manager*, McGraw Hill Educations

Thomas Bertin, *Software Engineer Manager*, McGraw Hill Educations

Janelle Chew, *Technical Project Manager*, McGraw Hill Education

Jahanzeb Abbas, *Senior VP*, ARO Inc

Noopa Jagadeesh, *Faculty*, Durham College

Aria Perez, *Full Time Faculty*, Durham College