GUNJAN KUMAR MISHRA
Programmer | Developer | Learner

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Info

Electronics, Communication and Information Engineering Undergrad. Currently working on Data Science, Machine Learning and AI.

Experience

Internship | The Sparks Foundation
Data Science and Business Analytics
Feb 2023 - Mar 2023

During the period, completed the following tasks:
- Prediction using Unsupervised ML using Iris Dataset
- Exploratory Data Analysis - Retail on SampleSuperstore dataset
- Prediction using Decision Tree Algorithm
- Stock Market prediction using Numerical and Textual Analysis

Senior Associate | Vulcan Gaming Pvt. Ltd.
Broadcast Media Production and Distribution
Nov 2020 - July 2022

- Data Analysis of server feed for live event updates.
- Analyzed server feed for live event updates to improve process efficiency , produced ideas for a new product portfolio and monitored live video feeds for technical issues and resolved events in real-time.

Projects

Sentiment Analysis
Feb 2023
- Built a ML model using NLP that determines if the given review is positive, negative or neutral. The model was trained using amazon review dataset from kaggle.

Isolated Sign Language Detection
Mar 2023
- Built a ML model using Computer vision and OpenCV to identify signs made in processed videos using asl-signs dataset from kaggle

Ball Tracking and LBW
June 2022 - March 2023
- Generate real time ball tracking and using it to review controversial umpire decisions used in cricket games.
- The system uses a single camera for the process.
- The system detects the ball using ball tracking, identifies the area of impacts the ball made, and predicts the possible trajectory of the ball to determine if it is hitting the stumps or missing and if hitting then by what margin.

Fake News Detection
Feb 2023
- Generated a Machine learning model using dataset from kaggle and used that model to predict if the given news is real or fake.

Cats vs Dogs
Jan 2023
- Made a neural network that determines if the given image is of a dog or a cat

Education

Bachelor's in Engineering(B.E) | Electronics Communication and Information
Paschimanchal Campus, IOE, TU. Lamachaur, Pokhara, Nepal
Nov 2018 - April 2023

Involvement

Broadcast Engineer | Broadcast and IT Solutions
South Asian Games 2019
Dec 2019 (10 days)

- Live Streaming of South Asian Games 2019 held in Pokhara, Nepal. The games included Women's cricket, Women's football, Handball, Badminton, Archery.
- Configured and developed a fully automated system for broadcast of all South Asian Games events.
- Significantly increased user engagement on the platform and reduced latency.

Member | AI Accelerator Institute
Feb 2023 - Present

Skills

Programming
Started with C Programming, within years I have had experience with Object Oriented Programming with C++ , then Python Programming and now with JavaScript. Have a 3years+ practice experience with Python programming and its libraries.

Machine Learning and AI
- Started practicing in 2020 with Data Science Libraries like Numpy, Pandas, Matplotlib, Keras, SciKit-Learn Tensorflow and moving forward in 2022 to Machine Learning Algorithms and Implementation, Deep Learning with Neural Networks.
- Certified with Machine Learning Specialization by DeepLearning.AI, Deep Learning Introduction by IBM, Autonomous AI for Industry by Microsoft, Introduction to AI by coursera.

Data Science
- Numpy for numericals, Pandas for data analysis and manipulation and Matplotlib for data visualization. Keras, Tensorflow, Scikit-Learn in Machine learning projects.
- Certified with Python for Data Science by CoRise.

Web Development and Designing
- Started in 2021 with Django and Flask frameworks. I have 1year+ experience in web development and designing with Django, Flask using Bootstrap Css, and Html/Css/Js. Also developed my personal portfolio using Html/Css/Js hosted on free github hosting. Link - mgunjan67.github.io .
- Used Figma for UI/UX designing.

AWS Fundamentals Specialization

- AWS Cloud Technical Essentials
- Addressing Security Risk
- Migrating to the Cloud
- Building Serverless Applications

Problem Solving and Project Management

- Certified by HackerRank for Problem Solving with Data structure and Algorithm.

PyMongo with MongoDB, Web Scraping with Beautiful Soup

Certifications

- Code With Coffee 2019 | Runner Up | By i-CES, Paschimanchal Campus
- Hult Prize 2019 | Campus Representative | Paschimanchal Campus
- Refer to link for all certifications - https://drive.google.com/drive/folders/1AfRXUzx8DvJYs5EaxEPWwKngVC6ySIZw

Social Profiles

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https://github.com/mgunjan67/

https://mgunjan67.github.io/

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