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Animesh Raj

Portfolio
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A challenging position in a corporate environment that will allow me to apply my knowledge and experience in data science and analytic to drive strategic decisions and business growth. Looking for opportunities to leverage my skills in statistical modeling, machine learning and programming to create data-driven strategies that improve business processes and customer experience.

SKILLS

Languages	Python, C, C++
ML Framework	Scikit, TensorFlow, Pytorch, Keras
Platform	Linux, Windows, AWS
Tools	GIT, MySQL
Soft Skills	Leadership, Reading, Debate, Time Management, Eloquence

EXPERIENCE

Data Science Community SRM	Completed
Technical Supervisor - Tensorflow, LSTM, Reactjs	Chennai, Tamil Nadu
<ul style="list-style-type: none">Developed a piano sheet converter, that generates a transcript in the form of PDF based on the music rhythm provided using Musicnet Dataset, a collection of over 10,000 MIDI files of various genres and styles.Implemented CQT Transform, pretty midi, and Librosa for feature extraction and evaluated various inputs and outputs, achieving high accuracy and correct transcription with proper musical notation notes.	
AI - ML Virtual Internship	2023
<ul style="list-style-type: none">Engaged in a virtual AI/ML internship at AWS, where I gained hands-on experience with advanced AI technologies. Enhancing skills in AI model development, deployment, and cloud-based integration.	

PROJECTS

Lemon Leaf Data Augmentation using Cycle GAN	work in progress
<ul style="list-style-type: none">Executed a project involving the utilization of CycleGAN to augment lemon leaf images, employing domain-to-domain image translation for diverse variations. Facilitated data enhancement for machine learning training purposes in collaboration with the Tamil Nadu Farmers Welfare Department.	
Wine Quality Analysis	Completed
<ul style="list-style-type: none">Wine quality analysis involves using statistical and machine learning techniques to analyze various attributes of winesUse of techniques such as regression analysis, decision trees, and neural networks to develop predictive models that can identify the factors that contribute to a high-quality wine, and help winemakers optimize their production processes and make more informed decisions about production and consumption.	
Simulation of Page Replacement Algorithm	Completed
<ul style="list-style-type: none">Designed and developed a web-based application that provides analysis of different page replacement algorithms used in Operating Systems	

HONORS AND AWARDS

Received Certificate of Competency for Fundamentals of Deep Learning by NVIDIA DLI	2023
Received Certificate of Competency for FlipKart Grid 5.0	2023
Received Certificate of Competency for Web Page Development	2022

LICENSE & CERTIFICATION

Introduction to Deep Learning by Nvidia	2023
AWS Academy Graduate - AWS Academy Cloud Foundations	2023
AWS Academy Graduate - AWS Academy Machine Learning Foundations	2023
The Structured Query Language (SQL) - University of Colorado Boulder	2023

EDUCATION

SRM Institute of Science & Technology	
Bachelor of Technology - Computer Science and Engineering with specialization in Data Science - GPA: 9.3	2021 - Present

ACTIVITIES

Directorate Of Student Affairs - Operations	2022 - Present
Handled the coverage of 100+ events that were held during cultural fest MILAN23	
Member of Association of Computer Machinery(ACM)	2023