Aftab Gazali

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Github | LinkedIn

EDUCATION

VIT UNIVERSITY
B.Tech. IN COMPUTER SCIENCE
CGPA: 9.08/10.0
July 2019 - July 2023 | Amaravati

SHIVAI JR. COLLEGE
Higher Secondary Certificate (HSC)
CGPA: 8.06/10.0
May 2017 - June 2019 | Bombay

NEW ENGLISH SCHOOL
Secondary School Certificate (SSC)
CGPA: 9.06/10.0
May 2017 | Bombay

SKILLS

Java • Python • Docker • Flask • Kubernetes • Pandas

COURSEWORK

Data Structures and Algorithms
Operating System
Database Management System
Object Oriented Programming
Machine Learning
Computer Networks
Java Programming
Web Development
Linear Algebra

ACHIEVEMENTS

ANDROID DEVELOPER HACKATHON
March 2020 | Amaravati, India
Won 3rd prize in the International Language day Hackathon.

PUBLICATIONS

A NOVEL SYSTEM BASED ON ARTIFICIAL NEURAL NETWORK FOR HEART DISEASE CLASSIFICATION | Research Document
December 2021
Research study on patients suffering from Heart Disease using ANN. This model was meticulously developed employing various feature selection techniques,achieving an outcome with 91% accuracy.

PROFESSIONAL EXPERIENCE

ERICSSON (R&D) | Graduate Engineer Trainee
April 2023 – Current | Bangalore, India

- Contributed to the creation of an advanced virtual simulator called SDI 2.0, where I focused on optimization and comprehensive testing.
- Effectively improved the simulator's efficiency, resulting in decreased processing time compared to its previous version. This progress led to the successful delivery of the product for client deployment.
- Developed the REST API Documentation project, meticulously orchestrating script automation and contributing to its inception, enabling seamless CRUD operations for all pipeline endpoints, a task previously uncharted.

HI-PACK | Machine Learning Intern
April - June 2021 | Cairo, Egypt (Hybrid)

- Worked on developing a Face recognition-based Attendance system using the local Binary Pattern histogram algorithm.
- I played a crucial role in the end-to-end testing of the model addressing all edge cases and ensuring continuous improvement.
- Our combined efforts led to enhanced model accuracy, successfully achieving a rate of around 89%

PROJECTS

DCGANS FOR FASHION-MNIST DATASET | Blog
January 2023

- Developed and deployed DCGANs on the Fashion MNIST dataset, successfully generating artificial fashion images. Employed an adversarial training approach, refining the model through preprocessing and ultimately training it over 1300 epochs. This effort resulted in achieving remarkable and impressive results.

CONDITIONAL GANS FOR MNIST DATASET | Blog
February 2023

- Utilized Conditional GANs with the MNIST dataset, facilitating precise image generation through controlled digit output manipulation. Employed the conditional framework to train the model around 60 epochs and 128 batches though tedious & time consuming, culminated in the creation of precise and accurate digits.

STOCK PRICE PREDICTION USING LSTM MODEL | Blog
April 2021

- Developed and implemented an LSTM model capable of accurately generating successive day stock prices for Apple. Ensured the model's output aligns with the most precise plot achievable, enhancing its reliability for forecasting.

MOVIE WEBSITE USING REACT REDUX | Website
December 2020

- Developed a real-time movie website using React Redux. The project sourced its API from the TMDB website, allowing the website to display movies in real-time based on user preferences. Additionally, the site offers movie suggestions for searches and provides info about upcoming, currently playing, latest, and popular movies.