Anuj Bhardwaj

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PROJECTS

Twitter Clone
November 2022 - November 2023

• Successfully developed and deployed a unique and innovative web application, the Twitter clone project, which replicated the core functionalities of Twitter while leveraging the power of Erlang's actor model programming paradigm.
• Implemented real-time messaging, enabling seamless and instant communication between users.
• Designed and implemented user interaction features, fostering engagement, and enhancing the user experience.
• Ensured fault tolerance and distributed architecture for improved performance and scalability.
• Demonstrated strong programming skills and proficiency in Erlang, highlighting the ability to apply advanced programming concepts to real-world applications.

Chatting program with file transfer - P2P
April 2023 - April 2023

• Developed a robust and efficient chat program with file transfer functionality using Python, incorporating principles of computer networking (socket programming) and threading.
• Implemented seamless real-time communication between multiple users, enabling them to exchange messages and collaborate effectively.
• Integrated file transfer capability, allowing users to send and receive files within the chat program.
• Leveraged socket programming to establish reliable connections and facilitate smooth data transmission.
• Utilized threading to ensure concurrent execution of tasks, enhancing the program's efficiency and responsiveness.
• Demonstrated strong proficiency in Python and networking principles.

Survival Prediction for Liver Cancer Patients
April 2022 - April 2022

• Conducted a comprehensive study on survival prediction for liver cancer patients using TCGA gene expression and clinical data.
• Employed Kapan-Meir survival analysis to identify significant clinical features and Voom and Glmfit methods for identifying differentially expressed genes.
• Developed a predictive model using machine learning techniques, comparing the performance of various classification algorithms on an 80:20 test-train split.
• Demonstrated superior performance of the developed model in comparison to a baseline majority class selection approach, highlighting its potential for improving prognosis prediction in liver cancer patients.

EDUCATION

Master of Computer Science
University of Florida • Gainesville,FL • 2023

Bachelor of Technolgy, Computer Science
RIMT • Gobindgarh, Punjab • 2020

CERTIFICATIONS

PCEP - Certified Entry-Level Python Programmer
Python Institute • 2021

PCEP certification by the Python Institute establishes a solid foundation in Python programming, validating core skills and enabling contributions to diverse projects.

Deep Learning Nanodegree
Udacity • 2019

The Deep Learning Nanodegree program from Udacity has provided me with relevant and comprehensive knowledge in deep learning techniques. Through hands-on projects, I have gained practical experience in building and training neural networks, including CNNs, RNNs, and GANs. I am now well-prepared to pursue opportunities in artificial intelligence, machine learning, computer vision, and natural language processing, equipped with the skills to drive innovation and solve complex problems in these fields.

SKILLS

Python, machine learning, C++, SQL

Pandas, NumPy, TensorFlow,Scikit-learn