AVINASH CHILAKA

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EDUCATION

IIT DHARWAD
B.Tech in COMPUTER SCIENCE
Dharwad, Karnataka
Aug 2018 - Sep 2022

SRI CHAITANYA COLLEGE
Intermediate
Vijayawada, Andhra Pradesh
June 2016 - April 2018

GAUTHAMI SCHOOL
10th class
Hyderabad, Telangana
June 2015 - May 2016

COURSE WORK

Machine Learning
Databases and Information Systems
Data Structures and Algorithms
Design and Analysis of Algorithms
Computer Programming
Software Systems Lab
Operating Systems
Computer Architecture

SKILLS

PROGRAMMING

- Python, Django
- C

WEB DEVELOPMENT

- HTML,CSS and Javascript
- ReactJS

OTHER SKILLS

- SQL (PostgreSQL)
- Git and Github

HOBBIES

- Photography
- Listening to Music
- Travelling

LANGUAGES

- English, Telugu, Hindi.

PROJECTS

SEARCH ENGINE | Software Systems
Aug 2019 - Dec 2019

- Optimized the search engine's functionality by implementing a scalable indexing system, which enhanced retrieval speed and improved search performance for users on a daily basis.
- To create a powerful and efficient search engine that delivers accurate and relevant results, I utilized Apache Nutch and Solr.
- Designed and implemented data pre-processing techniques, such as data cleaning and normalization, to improve the quality and relevance of indexed data.

TOP 100 BILLBOARD SONGS PREDICTION | Machine Learning
Aug 2020 - Dec 2020

- The primary objective of this project was to demonstrate the feasibility of using a machine learning classifier to accurately predict the hit potential of a song based on its intrinsic audio features and lyrics.
- The project was motivated by our shared interest in music and our curiosity about whether a machine could accurately predict a subjective human judgment.
- The prediction model identified key factors impacting song popularity using a comprehensive dataset of music attributes like genre, tempo, duration, and lyrics.

STOCKS MANAGEMENT SYSTEM | Database Management
Aug 2021 - Dec 2021

- The Stocks Management System is a web-based application developed using the Java programming language.
- The goal of this project is to manage the inventory of an organization and oversee the buying and selling of stocks.
- Java servlets and JDBC connections were used with PostgreSQL for creating tables and inserting data, as well as for developing login, user, representatives, and managing interfaces.

CERTIFICATIONS

PYTHON FULL STACK | Digital Lync
Jul 2023 - Dec 2023

- Completed Python Full stack course at DIGITAL LYNC Institute.

ACHIEVEMENTS

- Secured ALL INDIA RANK 18876 and 528 in CAT-Rank in JEE ADVANCED 2018.
- Secured ALL INDIA RANK 88147 and 3255 in CAT-Rank in JEE MAIN 2018.

ACTIVITIES

- Represented IIT Dharwad in Volleyball in various Inter-College events including Inter-IIT Sports Meet 2019 at IIT Bhubaneswar.