Dudekula Rajak

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EDUCATION

SVR ENGINEERING COLLEGE - JNTUA UNIVERSITY
B.Tech in Computer Science & Eng.
May 2024 | Nandyal, INDIA
Total Percentage: 77.15%

NATIONAL JUNIOR COLLEGE
12TH STANDARD
Jun 2020 | Nandyal, INDIA
Cum. GPA: 7.5 / 10.0

KNM MUNICIPAL HIGH SCHOOL
10TH STANDARD
April 2018 | Nandyal, INDIA
Cum. GPA: 9.0 / 10.0

IIT - MADRAS | PART TIME
B.Sc in Data Science & Programming
Dec 2024 | Madras, INDIA
Cum. GPA: 6.36 / 10.0

LINKS

Github:// **Rajakdrk**
LinkedIn:// **rajakdrk**
LeetCode:// **Mrdrk**

COURSEWORK

COURSES
Database Management System
Data Structures and Algorithms
Mathematics for Data Science
Statistics for Data Science
Machine Learning
Deep Learning
Cloud Computing
Computational Thinking
Computer Networks
Operating System
Software Engineering

TOOLS & FRAMEWORKS
Git • Github • MS Word • Tensorflow
Web Development • Flask • Excel
Matplotlib • PowerBI • MySQL
SkLearn

SKILLS

PROGRAMMING
Over 3000 lines:
Python • Java • C • Javascript

PROJECTS

HEART DISEASE PREDICTION | Bio-Inspired algorithms
Prediction Using Machine Learning
- A Genetic algorithm model and compare it with BAT and BEE algorithms for heart disease prediction.
- I preprocessed data, implemented, trained, and evaluated models using Genetic, BAT, and BEE algorithms.
- The Genetic algorithm achieved 92% accuracy, outperforming BAT (51%) and BEE (54%) algorithms, demonstrating superior efficiency.

GROCERY STORE APPLICATION | Flask
Web Application with Flask
- A Web application where you can purchase all of your grocery items online.
- Developed using Flask, Jinja2 template, SQLite, and SQLalchemy API
- Developed by using Model View Controller(MVC)

MY PORTFOLIO | Front-End HTML CSS JS
Professional Portfolio
- A personal portfolio website showcasing my skills and projects.
- Developed using HTML5, CSS3 and JS for Front-end.
- Learnt, and practiced Front-End in Web Development.
- Deployed in GitHub platform as pages.

INTERNSHIPS

Virtual Internship Under Future Ready Talent | Microsoft
May 2022 – July 2022 | Online

Salesforce Developer Virtual Internship | Smart Internz
Aug 2022 – Oct 2022 | Online

AI-ML Virtual Internship | AICTE EduSkills
May 2023 - July 2023 | Online

CERTIFICATIONS

- Fundamentals of Programming & Data Science | IIT Madras
- Completion of Microsoft AI Skill Challenge | Microsoft
- Python for Everybody Specialization | Coursera
- Object-Oriented System Development Using UML, Java & Patterns | NPTEL
- Cloud Computing | NPTEL

SUMMERY

I am a Computer Science Engineering graduate of JNTUA University, SVR Engineering College. I am also in my third year of Data Science and Programming study at the esteemed Indian Institute of Technology Madras (IITM). Over the past five years, I have acquired proficiency in various technologies and have had the privilege of imparting this knowledge to my peers and students.

In addition to my studies, I've successfully executed few projects. These include a Heart Disease Prediction Using Bio-Inspired algorithms, a Grocery Store Application, a Movie Recommended System, and a Professional Portfolio Website. These projects showcase my machine learning, data science, and web application development expertise.