

Dudekula Rajak

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EDUCATION

SVR ENGINEERING COLLEGE - JNTUA UNIVERSITY

B.Tech in Computer Science & Eng.
May 2024 | Nandyal, INDIA
Total Marks: 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
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

SKILLS

PROGRAMMING

Python • Core Java • C

TOOLS & FRAMEWORKS

Git • Github • Flask • SQLAlchemy
Matplotlib • SkLearn • SQLite
PowerBI • MS Excel • MS Word

COURSEWORK

COURSES

Database Management System
Basics of Data Structures and Algorithms
Mathematics for Data Science
Statistics for Data Science
Machine Learning
Deep Learning

LINKS

Github:// [Rajakdrk](#)
LinkedIn:// [rajakdrk](#)
LeetCode:// [Mrdrk](#)

SOFT SKILLS

HOBBIES

Playing Cricket • Browsing Internet

STRENGTHS

Adaptability • Teamwork

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.
- Developed by using Model View Controller(MVC) architecture.

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

AI-ML VIRTUAL INTERNSHIP | AICTE EDUSKILLS

May 2023 - July 2023 | Online

VIRTUAL INTERNSHIP UNDER FUTURE READY TALENT | MICROSOFT

May 2022 - July 2022 | Online

CERTIFICATIONS

- Completion of Microsoft AI Skill Challenge | Microsoft
- Fundamentals of Programming & Data Science | IIT Madras
- Python for Everybody Specialization | Coursera

SUMMARY

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 school 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.