

YASH RAUT

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SUMMARY

Highly motivated and detail-oriented recent engineering graduate with a strong foundation in data analysis, machine learning, and statistical modeling. Possessing hands-on experience with Python, Spark, and SQL, alongside practical project work in data science and analytics. Eager to leverage technical skills and academic knowledge to contribute effectively as a Data Scientist in a dynamic and innovative environment.

PROJECTS

Image Caption Generator

03/2024

- Programmed an advanced image caption generator by integrating Vision Transformer (ViT) for image feature extraction and GPT-2 for natural language processing.
- The model was fine-tuned on a labeled dataset of images and corresponding captions to optimize its performance, and its effectiveness was evaluated using metrics such as BLEU, ROUGE, and human judgment.
- Handled a group into developing the image caption generator.

Women Safety Application

05/2023

- Developed a women safety application using Flutter for Android, leveraging the robust development environment of Android Studio.
- The application aims to enhance personal safety by providing features such as emergency contacts, location sharing, and SOS alerts. It was designed to have an intuitive and user-friendly interface using Flutter's rich widget library, ensuring seamless navigation and interaction.
- In this project, I led a team of five, including myself, in developing a women safety application.

Income Predictor

04/2022

- Created an income predictor by leveraging various machine learning models to analyze and predict individual incomes based on diverse features.
- The process involved preprocessing a comprehensive dataset, which included handling missing values, encoding categorical variables, and normalizing numerical features.
- Experimented with multiple algorithms such as linear regression, decision trees, random forests, and SVM to identify the most effective model.

INTERNSHIP

Data Science Intern

03/2022 - 05/2022

- SmartKnower Company
- Worked with machine learning models for classification.

TECH STACK

Web Development:

HTML, CSS, Javascript, Bootstrap, jQuery, Node.js, Ejs, APIs, React

Data Science:

Python, Supervised Learning, Unsupervised Learning, ANN, CNN, AI, Tableau, Power Bi, Github, NLP, EDA, Data Analysis, Statistics

Python packages:

NumPy, Pandas, Keras, TensorFlow, Scikit-learn, Matplotlib, Seaborn, PySpark, OpenCV

Databases:

PostgreSQL, SSMS, Databricks

Programming Languages:

SQL, C, Java

STRENGTHS

Communication, Problem Solving, Analytical Thinking, Time Management, Decision Making, Team Management, Adaptability, Project Management.

EDUCATION

Bachelor of Technology (Computer Technology) **8.78 /10.00**

Kavikulguru Institute of Technology and Science, Ramtek

2020 - 2024

HSC | Maharashtra Board

Hislop Junior College, Nagpur

2018 - 2020

SSC | CBSE

Saint Peter's School, Bela, Bhandara

2018

LEADERSHIP & ACTIVITY

App Development Head

09/2023 - 03/2024

Google Development Students Club

CERTIFICATIONS

Machine Learning by Stanford University & DeepLearning.AI

Coursera

Machine Learning A-Z: AI, Python & R

Udemy

The Complete 2024 Web Development Bootcamp

Udemy