

JUNAIS MUSTHAFa

Portfolio -

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EDUCATION

Rajiv Gandhi National Institute of Youth Development

2022 – 2024

Master of Science in Computer Science with Specialization in Data Science

NMSM Govt College

2019 – 2022

Bachelor of Science in Computer Science

PROFESSIONAL EXPERIENCE

Data Analyst Intern

March 2024 – July 2024

CEAT Limited

- Dot Prediction

Developed a deep learning model using YOLOv8 to detect high-quality tires based on their markings. Implemented in Python and Jupyter Notebook.

- Die Swell

Ongoing machine learning project aimed at predicting die swell for preparing rubber compounds. Responsible for data preprocessing tasks, including collecting, extracting, and cleaning data from machines using Excel and other tools.

- Business Dashboards

Worked as a Data Analyst to extract meaningful insights from Excel and databases, and created dashboards using PowerBI and Tableau.

- Web Applications

Developed two web applications: an Employee Greeting Application and an Asset Management Application using Python Flask framework and MS SQL database for the backend, and HTML, Bootstrap, JavaScript, and CSS for the frontend.

PROJECTS

Real-Time Wildlife Detection | *Python, Ultralytics YOLOv8*

- Developed a real-time animal detection and alerting system utilizing Python programming and the Ultralytics YOLOv8 model for highly accurate detection.
- Created a warning alarm system through mobile using Python programming to enhance user notification and response.

Car Sales Insights of Different Brands | *Power BI*

- Created a dynamic dashboard of USA car sales of different brands using Power BI.
- Utilized BI tools such as Power Query for data transformation and DAX for creating measures and runtime calculations.

Mern Stack Portfolio | *Reactjs, Nodejs, MongoDB, Bootstrap*

- Developed a full-stack web application using the MERN stack (MongoDB, Express.js, React, Node.js) to demonstrate robust frontend and backend integration.
- Implemented RESTful APIs for seamless communication between the client and server, ensuring efficient data handling and management.
- Deployed the application using cloud services (render.com) for real-time accessibility and user engagement.

Random Password Generator | *Reactjs*

- Developed a secure password generator application using React, enabling users to create strong and customizable passwords with various options.
- Implemented state management using React hooks to handle user inputs for password length and character types (uppercase, lowercase, numbers, special characters).
- Utilized the react-hot-toast library for real-time notifications, enhancing user experience by providing instant feedback on password generation.

Personal Blog | *Nodejs, ejs*

- Developed a dynamic blogging platform using Node.js and EJS, allowing users to create, edit, and delete blog posts easily.
- Implemented a robust backend with Express.js to handle routing, middleware, and RESTful API endpoints for seamless data interaction.
- MongoDB for database

TECHNICAL SKILLS

- **Languages:** Python, Java Programming, C Programming, JavaScript
- **Frameworks:** TensorFlow, Python Flask, Expressjs
- **Databases:** MySQL, MongoDB, MS SQL
- **Web Technologies:** HTML, CSS
- **Visualization Tools:** Power BI, Tableau
- **Developer Tools:** Visual Studio Code, PyCharm
- **Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, OpenCV, React.js
- **Soft Skills:** Communication, Problem Solving

CERTIFICATIONS

- Cloud Computing (IIT Kharagpur)
- Data Analysis with Python (IBM Certification)
- Reactjs and Nodejs (Coursera)
- Python for Data Science and Machine Learning (IBM Certification)