Rohit Doyal

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR   Jodhpur, Rajasthan
- *Bachelor of Technology in Electrical Engineering (CGPA: 7.72 / 10.00)*   *July 2019 - May 2023*
- *Specialization in Visual Computing*   *July 2022 - May 2023*

MONTESSORI SCHOOL   Jaisalmer, Rajasthan
- *XII : 90.00 Percent*   *July 2017 - May 2018*
- *X : 86.66 Percent*   *July 2015 - May 2016*

EXPERIENCE

JIO RELIANCE   *October 2023- *Current*
Software Engineer   *Bangalore, Karnataka*
- **Full-Stack Data Science Website:** Utilized **React.js, Redux, Material-UI, Express.js, Node.js,** and **MongoDB** to build a comprehensive data science website. Designed and implemented seamless API integrations for optimized frontend-backend communication, enhancing user experience.
- **Automated Data Aggregation Pipeline:** Created a **Python script** to fetch data from **HDFS**, process it, and insert it into **Cassandra**. Used batch statements and parallel processing to achieve a **7x performance** increase. Successfully deployed in a production environment.
- **Data Processing Scripts for JVIZ Preprod:** Developed and automated scripts to fetch, process, and store data in **MongoDB,** ensured proper data population with monitoring scripts. Rewrote codebase in **PySpark** for efficient handling and parallel processing of big data.

WILLINGS   *October 2021- December 2021*
Web Development Intern - **Certificate**   *Remote,Japan*
- Developed frontend components to enhance product features and improved and debugged the current front-end of products and used **ReactJS - Redux and CSS** for a seamless interface.
- Utilized Sharp library to optimize image extraction, resizing, and re-uploading from Firebase storage, enhancing overall performance.

IIT JODHPUR   *May 2021 – July 2021*
Data Scientist Intern - **Certificate**   *Jodhpur, Rajasthan*
- Researched an inductive representation learning on dynamic graph analysis technique.
- Implemented the technique using Graph Neural Networks, feature extraction, Pagerank, and GraphSAGE.

PROJECTS

AR TREE GAME | Self Project — **Github**   February 2021- April 2021
- Designed architecture for a multilevel augmented reality game, integrating real-world and virtual elements for an immersive gaming experience.
- Developed game levels, **C#** scripts, animations, and user interface to enhance user experience in **Unity 3D** and Vuforia.

E-COMMERCE WEBSITE | Self Project - **Demo** | **Github**   June 2022 - July 2022
- Designed architectural framework for seamless integration and optimal performance of an e-commerce website.
- Engineered a full-stack web application for e-commerce, specializing in core functionalities like authentication, order processing, and product creation using **React.js** with **Redux, MongoDB, Node.js, Express.js,** and **CSS**.

TECHNICAL SKILLS

Languages: C++, C, Javascript, Python, Java, C#
Technologies: React.js, Django, Flask, Express.js, Bootstrap, Node.js, TensorFlow, Pandas, Numpy, Pyspark OpenCV
Courses: Data Structure And Algorithms, Operating System, Introduction To Machine Learning, Computer Network, Computer Graphics, Computer Vision, Computer Architecture, Database Management System

ACHIEVEMENTS

- Changed major from Mechanical Engineering to Electrical Engineering.
- Ranked among the top 0.4 percent of 2.4 million applicants in JEE Advanced.
- Ranked first in the 12 RBSE Board Science streams in Jaisalmer.