

Rohit Doyal

🌐 Portfolio website ✉ rohitdoyal172001@gmail.com 📞 6377965980

EDUCATION

IIT JODHPUR B.TECH IN ELECTRICAL ENGINEERING

2019-2023

CGPA: 7.72/ 10

SPECIALIZATION IN VISUAL COMPUTING

2022-2023

MONTESSORI SCHOOL

Grad. April 2018 | Jaisalmer, India

XII:90 Percent

X: 86.66 Percent

COURSEWORK

UNDERGRADUATE

Introduction To Computer Science

Data Structure And Algorithms

Introduction To Machine Learning

Computer Programming

Computer Vision

Computer Graphics

Computer Architecture

Computer Network

Introduction To AR-VR

LINKS

GitHub:// Rohitdoyal

Linkedin:// Rohitdoyal

Leetcode:// Rohitdoyal

Medium:// Rohitdoyal

SKILLS

LANGUAGES

• C++ • Python • C • C#

• JavaScript • Latex

WEB

• Django(Python) • MongoDB • CSS

• ReactJS • ExpressJS • NodeJS

• Firebase • Bootstrap • Flask

TOOLS AND TECHNOLOGY

• GitHub • Unity3d • Android Studio

• VS-Code • Google Colab • Jupyter

COMPETENCE

• Mobile App Development

• Full Stack Web Development

• Machine Learning

• Game Development

EXTRACURRICULAR

2022 • Accommodation and transportation

Head: Varchas fest at IIT Jodhpur .

2021 • General Secretary-Legacy Society.

EXPERIENCE

JIO RELIANCE - SOFTWARE ENGINEER

October 2023- *Current

- **Developed a 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 - WEB DEVELOPMENT INTERN

October 2021- December 2021 | Certificate

- Developed frontend components to enhance product features.
- 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 - DATA SCIENTIST INTERN

May 2021 – July 2021 | Supervisor - Dr. Dip Sankar Banerjee | Certificate

- Researched an inductive representation learning on dynamic graph analysis technique that can be potentially parallelized.
- Implemented the code of the technique based on Graph neural network, Feature extraction, Page-Rank, and Graphsage.

PROJECT

AR TREE GAME - AUGMENTED REALITY BASED GAME

February 2021- April 2021 | Self Project | **Git-Hub**

- 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

June 2022 - July 2022 | Self Project | **Demo** | **Git-Hub**

- Designed architectural framework for an e-commerce website to ensure seamless integration and optimal performance.
- 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**.

ACHIEVEMENTS

2022 • Global rank **35/3838** in August Starters 50 Div 3 on Codechef

2021 • Rated **5 stars** in Problem solving, Data Structures and Algorithms, C++, and Python on Hacker Rank.

2020 • **Changed Branch** From Mechanical Engineering To Electrical Engineering

2020 • Secured **3rd position** in Ideation in Summer Challenge, IIT Jodhpur, and won a cash prize for designing an Arduino bracelet to prevent accidental touches in covid.

2019 • Ranked among the **top 0.4 percent** of 2.4 million applicants in **JEE Advanced**

2018 • Ranked **first** in the 12 RBSE Board Science streams in Jaisalmer.