JAIN RITIK

Bachelor of Technology
Electrical & Engineering
at IIT Jodhpur

Mob.: +91-9993490626
Email: jainritik626@gmail.com
Linkedin.:linkedin.com/in/jainritik

Education

2017-2021
B.TECH
ELECTRICAL ENGINEERING
IIT Jodhpur

2015-2017
INTERMEDIATE
Harshuk Digambar School

2013-2015
HIGH SCHOOL
Sharad Pawar International School
CGPA: 9.4

Skills

Languages

JavaScript • C/C++ • Java
C Sharp • SQL • Python

Framework
Node.js, Android,
Web-development

Databases
MySQL, Firebase

Others
Git, Vim,
Sublime Text, Eclipse,
Android Studio

Coursework

Computer Science
Data Structure and Algorithms
Operating Systems
Computer Networks
Database Management System
Software Engineering
Object Oriented Analysis and
Design
Computer Programming

Mathematics
Probability, Statistics and Random
Processes
Complex Analysis and Differential
Equations
Linear Algebra and Calculus

Projects

FOODOO Delivery System | Supervisor - Dr. Sankalp Pratap

Jan 2021 – May 2021 | Jodhpur, Rajasthan
- A delivery system delivering groceries and dairy items in IIT Jodhpur.
- Used Android Studio as IDE and Firebase as Database for authentication and storage.
- Used Object Oriented Programming concepts for developing the application considering the modular approach.
- Order can be placed and tracked. Inventory management features and payment facilities have also been incorporated.

Bluetooth Classroom App | Supervisor - Dr. Sumit Kalra

Jan 2020 – May 2020 | Jodhpur, Rajasthan

- Android application for conducting real-time quizzes via bluetooth which makes it completely offline for the student side. The assessments are stored in Firebase Database for evaluation.
- Used Scatternet topology to increase the number of participating students. Also network security is added to ensure message confidentiality and integrity.
- Socket Programming was used for establishing connections and multithreading was used for managing the connections.
- Android studio was used as an IDE and Firebase Realtime Database was used for storing and querying data.

Linguistic Description of Videos | Supervisor - Dr. Gaurav Biyani

Jan 2020 – May 2020 | Jodhpur, Rajasthan
- Implemented Encoder-Decoder Model for video captioning.
- The local structure is modeled using 3-D CNN, and a temporal attention mechanism is used to combine information across the entire video.
- Further this model was changed for using transformers instead of using LSTM for performing better temporal attention.

JavaScript Neural Network

Aug 2020 – Dec 2020 | Jodhpur, Rajasthan
- Implemented a basic neural network framework to conduct machine learning tasks in JavaScript directly hence deploy machine learning projects on static web pages easily.

Co-curricular and POR

- **Assistant Marketing Head IGNUS**
  Led a team of 10 members. I contributed by getting sponsorship of 2.5 lakhs for my college event by negotiating with vendors.
- **ARMA Secretary**
  Managed all the academic activities.
- **Captain Volley Ball Team**
  Got selected and attended inter IIT tournament consequently for 3 years at IIT Madras, Guwahati, Kharagpur.