

JAIN RITIK

Bachelor of Technology
Electrical Engineering
at IIT Jodhpur

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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

Check out my PORTFOLIO!

Projects

Bluetooth Classroom App

- 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.

FOODOO Delivery System

- 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. Inventory management features have also been incorporated.

Linguistic Description of Videos

- 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

- 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.