

# Adarsh Jain

Portfolio | LinkedIn | GitHub

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## EDUCATION

### IIT JODHPUR

BACHELOR OF TECHNOLOGY  
Expected 2021 | Jodhpur, India

### MAHAVEER SCHOOL

HIGHER SECONDARY (MPBSE)  
April 2016 | Barod, India

### SECONDARY (MPBSE)

April 2014 | Barod, India

## SKILLS

### PROGRAMMING LANGUAGE

C/C++ • Python • Dart

### DEVELOPMENT

ReactJs • Node.js • Redux  
Javascript • HTML • CSS

### FRAMEWORKS

Flutter • Express.js • Flask

### DATABASES

MongoDB • Firebase • SQL

### UTILITIES AND TOOLS

Git • Postman  
Solidworks-Ansys • Matlab

## COURSEWORK

### MOOC

Data Structures and Algorithms  
Object Oriented Analysis-Design  
Database Systems  
Operating Systems  
Computer Networks  
Artificial Intelligence  
Machine Learning

### MATHEMATICS

Linear Algebra and Calculus  
Mathematics of Data Science  
Complex analysis and DEs  
Probability, Statistics - R. Process

## HANDLES

GFG: [profile](#)

LeetCode: [profile](#)

Codechef: [profile](#)

InterviewBit: [profile](#)

## INTERNSHIP

### FLUTTER DEVELOPER | SUMMER INTERNSHIP AT NAANIZ

July 2020 - Aug-2020 | Native Mobile application

- Co-developed a high quality and reliable **E-commerce** jewelry purchase app
- Managed **user interfaces and back-end** components for product display, review, price variation, and Fire-base based **Google Authentication**
- Aided the team to balance creative objectives and technical requirements

## PROJECTS UNDERTAKEN

### TARGET TRACK | STACKHACK 1.0 HACKATHON BY UPSKILL

May 2020 - Jun 2020 | GitHub [↗](#) | Demo-video [↗](#)

- Designed and developed a user-friendly full-stack web application for seamless **Project Collaboration**, and efficient task-management
- Implemented backend using **NodeJS, ExpressJs, MongoDB**, and Mongoose while **React Redux** is used for client-side
- Applied **JWT** middleware to backend and **Facebook API** for authentication

### PREPJEE | AATMANIRBHAR BHARAT APP INNOVATION CHALLENGE

Jun 2020 - Present | Flutter-Firebase App | GitHub [↗](#)

- Developed an **E-Learning platform** for JEE preparation assistance.
- Excellent **question practice** and a **contest participation** experience is ensured using time-count, coin/rating incentives, and customized filtering
- Implemented self-assessment test feature that generates an **Analytical Report, Comparative Standing** and provides solution, ( **Amazon JEEReady** like app )

### MARKET OPENING SCHEDULER DURING COVID | AI PROJECT

Sep 2020 - Oct 2020 | AI Course-Project | GitHub [↗](#)

- Defined an appropriate **state representation** and goodness evaluation strategy
- Used **Hill Climbing**, artificial intelligence algorithm to reduce buyer's mass activity, greedy best-first steps approach the ideal market schedule

### MCBD ROBOT PARAMETERS OPTIMIZATION | B.TECH PROJECT

Sep 2020 - Dec 2020 | Guide - Dr. Ravindra Brammajyosula

- 100k MCBP parameter snapshots are randomly generated in the original domain to **analyse slip characteristics** and class-specific behavior
- SVM with RBF showed **99.11% accuracy** at 80-20% split for optimized domain

### BUS RESERVATION SYSTEM | SELF PROJECT

Jan 2020 - Feb 2020 | Object-Oriented Programming Project | GitHub [↗](#)

- Implemented user/admin authentication, ticket booking, travel history, and other privileges using salient features of **C++ language**, concepts of **OOP**, shortest path is determined using **Dijkstra Algorithm**

## ACHIEVEMENTS

- **55/11,000+ globally ( AIR 27 )** in div2 of July'19 Long Challenge of CodeChef
- **Rank 92 in Data Structures and Algorithms** Coding contest of Hackerearth
- Ranked among the top **0.5% of 1.4 million** applicants in JEE Advanced 2017
- Accomplished internship and four missions at **Widhya's winternship program**