# Adarsh Jain

Portfolio | Linkedin | GitHub

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## EDUCATION

**IIT JODHPUR**
Bachelor of Technology
Expected 2021 | Jodhpur, India
CGPA: *7.17/10
Till sem 6*

**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
HTML • CSS • Javascript
**Frameworks**
Flutter • Express.js • Flask
**Utilities and tools**
MongoDB • Firebase • Git
Postman • Solidworks-Ansys

## 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
(*ongoing)

## 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 MCBD parameter snapshots are randomly generated in the original domain to **analyze 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
- Represented IIT Jodhpur at national level in **SAE-BAJA** virtual round