

# Anshul Ahuja

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## EDUCATION

### IIT JODHPUR

PRE-FINAL YEAR B.TECH. IN  
COMPUTER SCIENCE & ENGINEERING  
Expected 2021 | Jodhpur, India  
GPA: 8.67/10 (upto 4<sup>th</sup> sem)

### DPS DWARKA

CLASS 12 | CBSE  
2017 | New Delhi, India  
Percentage: 95%

### DPS DWARKA

CLASS 10 | CBSE  
2015 | New Delhi, India  
Percentage: CGPA 10/10

## LINKS

Github:// [anshulahuja98](https://github.com/anshulahuja98)  
LinkedIn:// [anshul-ahuja](https://www.linkedin.com/in/anshul-ahuja)  
Medium:// [@anshul.ahu](https://medium.com/@anshul.ahu)

## UNDERGRADUATE

Object Oriented Analysis & Design  
Data Structures & Algorithms  
Theory of Computation  
Computer Architecture and Org  
Software Engineering  
Operating Systems\*  
Compiler Design\*  
Algorithm Design and Analysis\*  
Data Communication \*  
Intro to Quantum Information\*

\* Ongoing Courses

## SKILLS

### PROGRAMMING

Proficient:

- C/C++

Familiar:

- C# • Python • Javascript

### WEB

Technologies:

- Django (Python)
- MySQL • PostgreSQL
- REST

Web Design:

- HTML/CSS • Bootstrap

### UTILITIES

- Git • Linux shell utilities • SSH

### OTHER TECHNOLOGIES

- Raspberry Pi
- Microsoft Azure
- Azure Functions
- Docker (Basics)
- Kubernetes (Basics)

## HOBBIES

- SpeedCubing Enthusiast
- Tech Blogger Medium: [@anshul.ahu](https://medium.com/@anshul.ahu)

## EXPERIENCE

### MICROSOFT | SOFTWARE ENGINEER INTERN

May - July 2019 | MSIDC Hyderabad | Azure Backup

- Successfully developed complete Backup and Restore solutions for Open-source Databases(PostgreSQL, MariaDB)
- Experimentation using Azure functions (serverless) as hosting environment.

### OPEN SOURCE CONTRIBUTOR | [GITHUB](https://github.com)

- Contributed to various open-source repos, merged PRs [Github](https://github.com)

## PROJECTS

### BTECH PROJECT | DISTRIBUTED SYSTEMS | OPEN SOURCE CONTRIBUTION

Open-sourced K8s deployment [Github](https://github.com) | Python Library [PyPI](https://pypi.org)

- Developed an open-source python library for supporting Conflict-free Replicated Datatypes(CRDTs) hosted on Python's package manager (PyPI).
- Contributed to open-source efforts of AntidoteDB by creating kubernetes based deployment for it. Repo forked by Antidote
- Demo and paper Title: 'Edge Applications: Just Right Consistency' accepted in SRDS(Symposium on Reliable Distributed Systems) 2019 at Lyon, France.

### SPC PORTAL | MVC BASED PORTAL FOR STUDENT PLACEMENT CELL

Deployed at [spc.iitj.ac.in](https://spc.iitj.ac.in) | Open-Sourced [Github](https://github.com)

- Created portal in Django (Python) to automate and streamline end to end placement procedure for 400+ students and recruiters in 2018-19.

### DISASTER CHAIN | IOT | MICROSOFT AXLE 2019 | MICROSOFT CODE.FUN.DO++

Demo Video [Youtube](https://youtube.com) | Open Sourced [Github](https://github.com) | News Article [TOI](https://toi.com)

- A distributed IoT based solution for disaster detection and early warning systems for cloud offloading of disaster management.
- Built using Raspberry Pi and Node MCU units.

### VOTING VADER | BLOCKCHAIN | IOT | MICROSOFT CODE.FUN.DO++ '19

Demo Video [Youtube](https://youtube.com) | Open Sourced [Github](https://github.com)

- An IoT based EVM built on Raspberry Pi using Azure Blockchain Service as the backend serving through REST APIs.

### IITJ INFO BOT | CHATBOT | MICROSOFT CODE.FUN.DO | MICROSOFT IMAGINE CUP

Submission Video [Youtube](https://youtube.com) | [Github](https://github.com)

- A chatbot deployed on Facebook Messenger for day-day college related info
- RFID based payment module connected to the chatbot made on Raspberry Pi.
- Technologies: Microsoft Azure, nodejs, MySQL, Bot Builder Framework, LUIS

## ACHIEVEMENTS

- 2019 Runner up, Microsoft Code.Fun.Do++ at IIT Jodhpur
- 2019 2<sup>nd</sup> Runner up, Microsoft AXLE (Code.Fun.Do++ National) out of 21 teams  
Prize money 1 Lakh INR and 5000 USD Azure Grant under AI for good initiative
- 2018 Winner, Microsoft Code.Fun.Do++ at IIT Jodhpur
- 2018 National finalists in Microsoft Imagine Cup, India
- 2018 2<sup>nd</sup> Runner up (OnCampus Round) Microsoft code.fun.do OnCampus hackathon
- 2018 Finalist (Online) top 3 teams out of 53 teams, Microsoft Code.Fun.Do
- 2016 KVPY Scholar Kishore Vaigyanik Protsahan Yojana (KVPY) SX Scholar

## POSITIONS OF RESPONSIBILITY

- STUDENT PLACEMENT CELL | WEB DEVELOPMENT HEAD
- QUIZ CLUB | CAPTAIN
- IGNUS INTER COLLEGE FEST | WEB DEVELOPMENT HEAD

## EXTRACURRICULAR

- Core Member of open-source student group Devlup Labs [Github](https://github.com) at IIT Jodhpur.
- Participated in inter IIT-IIM Quiz Nihilanth'18 at IIM Ahmadabad
- Participated in Inter IIT Cultural Meet'19 at IIT Roorkee
- Gave a talk on Raspberry Pi, IOT and Automation to 1<sup>st</sup> and 2<sup>nd</sup> year students