

# Anshul Ahuja

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## EDUCATION

### IIT JODHPUR

B.TECH. IN COMPUTER SCIENCE  
& ENGINEERING

MINOR: Management

Expected May 2021 | Jodhpur, India  
GPA: 9.01/10

### DPS DWARKA

CLASS 12 | CBSE

2017 | New Delhi, India

Percentage: 95%

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)

Google Scholar

## UNDERGRADUATE

Object Oriented Analysis & Design

Data Structures & Algorithms

Software Engineering

Operating Systems

Algorithm Design and Analysis

Quantum Information

Computer Networks

Database Systems

Artificial Intelligence

Financial Engineering

## SKILLS

### PROGRAMMING

• C/C++

• C# • Python • Javascript

### WEB

• Django (Python)

• MySQL • PostgreSQL

• REST

• HTML/CSS • Bootstrap

## TECHNOLOGIES

• Git • Linux shell utilities

• Raspberry Pi

• Azure(Blob, Cosmos etc)

• Azure Functions

• Docker

• Kubernetes & AKS

## CONFERENCES/SEMINARS

• KubeCon + CloudNativeCon Europe  
2020

• Microsoft AXLE 2019

• 35th AAAI Conference on Artificial  
Intelligence 2021

## EXPERIENCE

### MICROSOFT | SOFTWARE ENGINEER INTERN

May - July 2020 | Azure Backup

- Developed an E2E mechanism for taking **App Consistent backups** of workload associated CSI PersistentVolumes and cross cluster restore in **Kubernetes(AKS)**
- Made contributions to the Azure Disk CSI driver.

### MICROSOFT | SOFTWARE ENGINEER INTERN

May - July 2019 | MSIDC Hyderabad | Azure Backup

- Developed complete Backup and Restore solutions for PaaS (Azure hosted) Open-source databases(PostgreSQL, MariaDB)
- Experimentation using **Azure functions (serverless)** as hosting environment.

### DEVUP LABS | CO-FOUNDER & LEAD | [WEBSITE](#)

2018 - Present | IIT Jodhpur

- Spearheaded the growth of **open-source enthusiasts'** student group at IIT Jodhpur, organising and hosting sessions/webinars on various technologies.
- Mentored a team of **30+ students** managing **15+ projects** from ideation, design, development to deployment.

### FREELANCING | [UPWORK](#)

- Custom work on Kubernetes Dashboard for a US-based startup client.

### OPEN SOURCE CONTRIBUTOR | [GITHUB](#)

- Contributed to various open-source repos, merged PRs [Github](#)
- Contributions to [kubernetes/dashboard](#)

## PROJECTS

### BTECH PROJECT | FEDERATED LEARNING EDGE-IOT INFRA

Mentor: Dr Suman Kundu

- Prototyped serverless approach for a highly scalable infra for Federated Learning oriented around IoT/Edge Devices. Aimed at the infra being easily deployable to public cloud platforms to democratize distributed machine learning.
- Published in Student Abstract track of 35th **AAAI Conference on Artificial Intelligence 2021**

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

Python Library [PyPI](#) | Published [IEEE](#) | Mentor: Dr Subhajit Sidhanta

- Poster Title: 'Edge Applications: Just Right Consistency' presented in (SRDS) 39th IEEE International Symposium on Reliable Distributed Systems(Core-A)
- 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 by creating kubernetes based deployment for it. K8s deployment forked by Antidote

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

Deployed at [spc.iitj.ac.in](#) | Open-Sourced [Github](#)

- Developed portal in **Django (Python)** to automate and streamline end to end placement procedure for **900+** students and recruiters in 2018-20.

## ACHIEVEMENTS

- 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
- 2016 **KVPY Scholar** Kishore Vaigyanik Protsahan Yojana (KVPY) SX Scholar

## HOBBIES

- SpeedCubing Enthusiast
- Tech Blogger Medium: @anshul.ahu
- Swimming

## POSITIONS OF RESPONSIBILITY

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

## EXTRACURRICULAR

- Participated in inter **IIT-IIM Quiz** Nihilanth'18 at **IIM Ahmadabad**
- Participated in **Inter IIT Cultural Meet** '19 at **IIT Roorkee** and '20 at **IIT Bombay**
- Conducted various sessions/talks for freshmen & sophomores at IITJ on version control, automation, IoT etc.