

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 5th 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
Quantum Information
Computer Networks*
Database Systems*
Artificial Intelligence*

* 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)
• Swimming

EXPERIENCE

MICROSOFT | SOFTWARE ENGINEER INTERN

May - July 2019 | MSIDC Hyderabad | Azure Backup

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

OPEN SOURCE CONTRIBUTOR | GITHUB

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

PROJECTS

BTECH PROJECT | DISTRIBUTED SYSTEMS | OPEN SOURCE CONTRIBUTION

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

- Poster Title: 'Edge Applications: Just Right Consistency' presented in (SRDS) 39th IEEE International Symposium on Reliable Distributed Systems(Core-A) 2019 at Lyon, France.
- 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. [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.

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

Demo Video [Youtube](#) | Open Sourced [Github](#) | News Article [TOI](#)

- A **distributed IoT solution** built using Raspberry Pi & Node MCUs for disaster detection & early warning systems for cloud offloading of disaster management.
- Trained a model using **Azure Custom Vision service** exported to Android app to predict skin diseases from pictures offline.

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

Demo Video [Youtube](#) | Open Sourced [Github](#)

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

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

Submission Video [Youtube](#) | [Github](#)

- A chatbot deployed on **Facebook Messenger** for day-day college related info
- **RFID** based payment module connected to the chatbot made on **Raspberry Pi**.

ACHIEVEMENTS

- 2019 **Runner up, Microsoft Code.Fun.Do++** at IIT Jodhpur
- 2019 **2nd 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 **2nd 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

- Spearheaded the growth of **open-source enthusiasts' student group** [Devlup Labs](#) at IIT Jodhpur.
- 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.