

# Aditya Mudgil

Integrated M.Tech - Mathematics and Computing - IIT, Dhanbad

# 16JEO02200

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## EXPERIENCE

### D. E. Shaw, Hyderabad— *Member Technical*

July 2021 - Current

### Walmart Global Tech, SDE Intern

Jan 2021 - June 2021

Built a one-stop solution for all our monitoring needs, including an activity center for reprocessing tasks, automating the most common process and tools for triggering alerts.

### Walmart Labs, SDE Intern

April 2020 - June 2020

Built a Chatbot as a Conversational Interface for Driver Support to avoid frequent follow-ups using WebSockets and Deep Learning on NodeJS Framework.

### LegalEase, New Delhi— *SDE and UX Intern*

MAY 2019 - April 2020

Developed a fully functional regular, responsive finance, and accounting website from scratch. Developed admin panel and utility software for handling accounting tasks.

## OPEN SOURCE CONTRIBUTION

### Zulip

Contributed to the front-end part for the desktop application. This real-time chat application uses React and Electron as the main tech stack.

### AOSSIE

Contributed to the Agora and MindTheWord project which uses Angular and Chrome Extension as the main tech stack.

## PROJECTS

### News Room

Developed a cross-platform desktop application that organizes what's happening in the world to help you learn more about the stories according to your interest.

<https://tinyurl.com/y4t985kq>

## EDUCATION

### Indian Institute of Technology (ISM), Dhanbad — *Integrated M.Tech in Mathematics and Computing*

JULY 2016 - MAY 2021 CGPA - 8.48

### School

Indraprastha Convent School (12th, April 2016) 88%

Model School (10th, April 2014) 9.0 CGPA

## MAJOR COURSE

- **Computer Science:** Data Structures, Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, DBMS, Computer graphics.
- **Mathematics:** Probability & Statistics, Statistical Inference, Linear Algebra, Sampling Theory, Number Theory, Cryptography, Discrete Maths.

## SKILLS

- **Interest:** Backend and Full Stack Development
- **Languages:** C++, JavaScript, Python, Shell
- **Framework:** React, Angular, NodeJS, Flask, Electron
- **Libraries:** Numpy, OpenCV, Keras, NLTK
- **Database :** MySQL, MongoDB, SQLite
- **Misc.:** Unity, Unit Testing (Selenium, Mocha), PWA, Git, Docker, API, WebSockets, CI/CD
- **Software:** Adobe Photoshop, Illustrator, Sketch, Blender

## ACHIEVEMENTS

- Codeforces **Expert** (*am2505*)
- Stack Overflow **1000+ Reputation** (*am2505*)
- **Winner**, Paytm problem challenge in Hackfest 19
- In **Grand Finale**, Dept. of Atomic Energy problem statement, SIH-19
- **Research paper rationale** selected for presentation in MathSport Asia - 18
- **AIR-3956 (99.8 Percentile)** in JEE (Advanced) 2016
- **MCM Scholarship** awarded by Govt. of India

## POSITIONS OF RESPONSIBILITY

- Competitive Programming Teacher, SIAM IIT (ISM)
- Head of Design, Cyber Society (CyberLabs), IIT (ISM)
- Former Secretary, Filmography Society, IIT (ISM)
- Mathematics Teacher, Kartavya (NGO)