

# MUDIT AGARWAL

✉ f20170483@goa.bits-pilani.ac.in | [in](#) mkamudit18 | [@](#) vezcraz | [</>](#) vezcraz

## EDUCATION

| Degree  | Institute / Board        | Year                   | CGPA / %                    |
|---|--------------------------|------------------------|-----------------------------|
| B.E. in Computer Science and Engineering        | BITS Pilani Goa          | 2017 - 2022 (Expected) | 8.29 / 10 <a href="#">↗</a> |
| M.Sc. in Economics                              | BITS Pilani Goa          | 2017 - 2022 (Expected) | 8.29 / 10 <a href="#">↗</a> |
| All India Senior School Certificate Examination | Birla High School - CBSE | March, 2016            | 92.4 % <a href="#">↗</a>    |
| All India Secondary School Examination          | Birla High School - CBSE | March, 2014            | 10 / 10 <a href="#">↗</a>   |

## Skills and Expertise

- **Courses:** Data Structures and Algorithms, Information Retrieval, Discrete Structures for Computer Science, Database Systems, Operating Systems, Object Oriented Programming, Computer Architecture, Game Theory, Probability and Statistics, Econometrics
- **Technical Proficiency:** C++, Python3, Java, Django Framework

## INTERNSHIP/WORK EXPERIENCE

### Web Developer | AUGSD, BITS Goa [↗](#) Jan 2020 - Present

- Created a portal for the registration of elective courses for ME students of the college (~500 applicants) from scratch
- Technologies used: *Django, python3, HTML, CSS, JS*

### Back-end Web Developer | Practice School Division, BITS Goa Feb 2020 - Present

Collaborated in a group of 8 students to build a portal for the Practice School Division where students can place requests for transfer from practice school to thesis or vice versa and the professors can reject or approve them. This application was used in all the campuses of the university by the final year students (~3000). Built the following features:

- Export tool to download the details stored in database.
- Email Notification System to notify HoDs with the details of the new applicant.
- Technology used: *Django, python3, HTML*

### Web Developer | Department of Planning and Statistics [↗](#) Feb 2020 - Present

- Made a website to store statistical E-Books provided by the department in a modular format
- Technology used: *Django, python3, HTML*

### Subject Matter Expert | Chegg Inc. [↗](#) Mar'19 - June'20

- A freelance job to solve questions on statistics and probability.

## PROJECTS

### Context Based PDF Search Engine [↗](#) Dec 2020

- This application allows user to search for top 10 sentences, ranked by the **vector-space model**, within the PDF which may not be exact matches to the queries but may still be relevant.
- Technology Used: *python3, pymupdf*

### Exam Schedule Retriever - Web Application [↗](#) [↗](#) Jul 2019 - Sep 2019

- Preprocessed Registration and Time Table data using *Numpy and Pandas*
- Used this data to host a webApp so that students can retrieve their exam schedule using their college ID as the query.
- This web application was widely used and appreciated in the campus.
- Technology Used: *Django, python3, HTML, CSS, JS*

## POSITIONS of RESPONSIBILITY

### Teaching Assistant, Department of Computer Science, CP - BITS Goa [↗](#) Jan 2020 - May 2020

- Assisted in creating, conducting and evaluating lab sessions for the Computer Programming course.

### Teaching Assistant, Department of Computer Science, OOP - BITS Goa [↗](#) Jan 2020 - May 2020

- Assisted in creating, conducting and evaluating lab sessions for the Object Oriented Programming Course.

## EXTRA CURRICULAR ACTIVITIES

- Competitive Programming: **Peak Rating 1631** on Codeforces [↗](#)
- **Youtube Channel:** Providing explanations to interesting problems found in Codeforces contests [↗](#)

## TEST SCORES

- Ranked 4714 in JEE Advanced 2017 out of 0.2 million participants ( 97.7 Percentile) [↗](#)