

## Education

<b>BTech, Indian Institute of Technology Goa</b> Class 12, CBSE: Navrachana School, Sama	CGPA: 7.50/10 Aggregate: 84 %	2018 - PRESENT 2017 - 2018
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## Experience

### Foodwagon Private Ltd. [\[GitHub\]](#)

[May-June 2020]

Software Development Intern

- Worked with the development team to implement data strategies, build data flows and developed data models in **PostgreSQL**.
- Developed an entire end-to-end user authentication system in Django.
- Created optimized RESTful APIs for exposing the backend functionality to the UI/UX.
- Added the Filter functionality which includes taking filter inputs from the user and making calls to the API routes.

### Verzeo EduTech

[May-July 2020]

Machine Learning Training

- Analysed a student performance dataset to find the causes of lower marks using **NumPy**, **Pandas** and **Matplotlib**.
- Trained a model to predict the cost of used cars using XGBoost regressor and achieved an accuracy of 95%.

### Web Development Club, ArchiTechs [\[Websites\]](#)

Programming Head

[May 2019 - May 2020]

- Led a team of 15+ students and made 3 websites for IIT Goa's website.
- Contributed to the design and used Adobe XD for the same.
- Managed a group of 5 students and successfully developed a website for IIT Goa's First Cultural Fest.

## Projects

### DB Transformer [\[GitHub\]](#)

[June-September 2020]

- Developed a web application using **ReactJS** and **Django** for joining two tables and providing the output in a downloadable CSV file.
- Users have to log in to their local **MySQL** database, select the schema and the tables to join. Users also have to choose the primary and select the attributes that have to be displayed in the CSV file.
- Users can also upload two CSV files for performing the join operation.
- Used **Django REST Framework** for building APIs, Redux for state management and MySQL Connector in python for performing SQL queries.
- Also used Material-UI for designing the webpage.

### Chrome Extension For Text Summarization [\[Extension\]](#) [\[GitHub\]](#)

[May-August 2020]

- Developed a chrome extension that lets users summarize their long texts by extractive summarization.
- Users can also provide a URL and using **web scraping** (Beautiful Soup) text is fetched.
- Summarization is done using **Natural Language Processing** (spaCy model) in Python.
- Used Vanilla **JavaScript**, HTML and CSS in the frontend and **Flask** in the backend.

### All In One | Every College Student's Website [\[GitHub\]](#)

[May-July 2020]

- Developed a Full-Stack web application using ReactJS, NodeJS and MongoDB to help students share their information about their internship, placement, projects, ask questions, provide other valuable experiences and connect with their juniors.
- The website has 5 sections namely 'Questions Page', 'Profile Page', 'Projects Page', 'Interview Experiences Page' and 'To-do List Page'.
- Created robust and secure **RESTful APIs** and integrated Google and GitHub's strategies for third party O-auth authentication using PassportJS's authentication middleware.

### Social Media Application [\[GitHub\]](#)

[May-June 2020]

- Developed a Full Stack secure social media app using **GraphQL** which allows users to post and comment on others' post.
- Built GraphQL APIs using Apollo Server along with NodeJS in the backend. Used Apollo Client in ReactJS to make queries and mutations in the frontend.

### Newton Raphson and Secant Method Implementation [\[Website\]](#) [\[GitHub\]](#)

[February-April 2020]

- Implemented the iterative Newton Raphson and Secant methods to solve the Colebrook's implicit equation to analyse the behaviour of liquid during a pressure or flow rate drop in a circular pipe.
- Used Object Orientated Programming (**OOP**) principles in **Python** and plotted a Moody Diagram using Matplotlib and Zing Chart in Django.
- Got an accuracy of 95% when compared to the experimental values.

## Skills

**Programming Language:** C, C++, Python, JavaScript, Java, Kotlin

**Technologies:** ReactJS, Redux, React-native, Next.js, NodeJS, ExpressJS, GraphQL, Django, Flask, HTML, CSS, PostgreSQL, MySQL, MongoDB, Firebase, Android Studio, Adobe XD

**Machine Learning:** NumPy, Pandas, Scikit-learn, OpenCV, TensorFlow

**Other:** Redis, Nginx, Git, LaTeX

## Positions of Responsibilities

- Programming Head of IIT Goa's Coding Club
- Represented IIT Goa at Inter IIT Sports Meet (IIT Kharagpur, 2019) and BITS-Spre (Football)

## Achievements

- Secured Rank 1 in Codigo (Intra-College Coding event) among 35+ participants.
- Acquired Gold Medal in NGSE mains (National Genius Search Examination) 2018 with 91 percentile.
- Cleared Stage 1 of Smart India Hackathon (SIH) 2019.