

# Aman Ali

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📍 Pilani

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🌐 [github.com/amanaligit](https://github.com/amanaligit)

## EDUCATION

### Class 12 (C.B.S.E)

Carmel Convent Sr. Sec. School

03/2018

93.4%

### B.E. Computer Science and M.Sc. Physics (dual degree)

Birla Institute of Technology and Science, Pilani

08/2018 - 05/2023

CGPA: 9.36 (6 semesters)

#### Courses

- Object Oriented Programming
- Database Systems
- Data Structures and Algorithms
- Discrete Mathematics

## WORK EXPERIENCE

### FullStack Web development Intern

AccioJob [🔗](#)

2021 - Present

[AccioJob](#), selected by 'Y-Combinator W19 Batch Part 5' is a startup that blends skilling with college placement SaaS to solve job hunting for students.

#### Achievements/Tasks

- Developed a scalable backend and frontend of the main website of the company ([AccioJob.com](#)) using Django, HTML/CSS and React, resulting in higher online traffic.
- Implemented **Gradeazy REST API** to the main website to provide seamless exams and grading experience to students.
- Taught **50+ Full Stack WD students**, front-end web development (**HTML/CSS + JS + React**) over a 2 hour zoom meeting, 5 days/week, through interactive coding and hands-on assignments.
- Developed FullStack web-development assignments for students by using **JavaScript and React** along with their unit-tests using libraries like **Supertest** and **Jest**.
- Operated the **Replit** platform to assign said assignments to students and automating submissions and unit-tests.

### Research Intern

Central Electronics and Engineering Research Institute

05/2020 - 07/2020

#### Tasks

- Worked with **senior researchers** at **CEERI** on the project: **Implementation of Block-chain in Industry 4.0**
- **Implemented a decentralized Block-chain** from scratch by using **Flask framework** in Python to simulate secure transactions in a **car manufacturing firm**.

## TECHNICAL SKILLS

C/C++

Java

JavaScript

HTML

CSS

Python

React

Gatsby

MongoDB

MySQL and PostgreSQL

Socket.IO

Django

Node.JS/Express

Adobe Photoshop

## PERSONAL PROJECTS

agar.io using web-sockets [🔗](#)

- A **real time online multiplayer game** with **AI driven bots**, made from scratch using web-sockets.
- Links: [Git Repository](#), [Deployment \(Heroku\)](#), [Blog of project](#).

BlockChain in Industry 4.0 [🔗](#)

- A Block-chain with secure transactions made from scratch. The block-chain is **decentralized**, and the network consists of multiple nodes, each simulating a specific task in a **car manufacturing firm**.
- Links: [Git Repository](#)

Auctions Website [🔗](#)

- FullStack **Django** Project to simulate auctions
- Links: [Git Repository](#), [Deployment \(Heroku\)](#)

Performance Monitor [🔗](#)

- A **scalable, real-time** performance monitoring solution for networks using **Node.js** and **React** and **SocketIO**.
- Links: [Git Repository](#), [Deployment \(Heroku\)](#)

Recipes Website [🔗](#)

- A frontend website for showcasing Recipes, querying content using **GraphQL**, from **Contentful Headless CMS**
- Links: [Netlify GitHub](#)

## POSITIONS OF RESPONSIBILITY

Head of Department of Art, Design and Publicity for Oasis 2021 (04/2021 - 11/2021) [🔗](#)

Position of one of the six members of **Students Committee of Cultural Affairs**, elected out of over 1000 students in BITS. Responsible for hosting one of the **largest cultural fests of Asia, Oasis, at BITS Pilani** working with a budget of over **Rs. 1.5 crore**. Worked for **online publicity** of the fest through **social media** and **online media partners**.

## CERTIFICATES

Algorithmic Toolbox (HSE university) [🔗](#)

Data Structures (HSE university) [🔗](#)

Algorithms on Graphs (HSE university). [🔗](#)

Socket.IO, The Details [🔗](#)

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency