# ARYAK ROY

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Vasundhara Enclave
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## Career Objective

Dedicated and adaptable college student with an aim to secure an internship and utilize my skills in Web Development, team communication and MERN Stack to contribute and add value to the growth of the organization.

## Education Qualification

| Degree/ Course | Institution | University / Board | Year of Passing | CGPA / % |
|---|---|---|---|---|
| B. Tech | VIT Vellore | VIT | 6$^{th}$ Sem. (Expected completion July 2023) | 8.87 |
| 12$^{th}$ Board | Somerville School, Delhi | CBSE | 2019 | 91.8% |
| 10$^{th}$ Board | Somerville School, Delhi | CBSE | 2017 | 10 |

## Achievements

o   Awardee for securing 10 CGPA in AISSE 2017
o   Awardee for securing 100 in Computer Science in AISSCE 2019

## Technical Skills

o   HTML5, CSS3 and Javascript
o   Bootstrap and JQuery
o   Frontend Development with ReactJS
o   API Development using NodeJS and ExpressJS
o   State Management using Redux
o   MongoDB and SQL Databases

## Projects

o   JBoards – Online Project Management Tool
    github.com/JBoards-VIT/JBoards-portal

- Developed an online project management tool for VIT students providing Kanban boards for personal and a group project.

- Implemented using MERN Stack, Firebase, and Heroku for hosting the frontend portal and the backend API respectively.

- Concurrent Web Crawler and Indexer
  github.com/AryakRoy/concurrent-web-crawler

  - Developed a concurrent web crawler and indexer using Python and also conducted a comparative study between the different levels of parallelism implemented. It contains three types of crawling and indexing program

- Security Analysis of Containerised Applications
  github.com/AryakRoy/conatiners-research

  - Analyzed container vulnerabilities and threats in host OS by various techniques such as inspecting the Network bridge between the Virtualized and Host Operating System, Figuring Kernel Level Virtualization Errors, Creating a Malicious Application
  - Tested a proof of concept, if the Host OS can be accessed from a container that is running in a virtualized environment

- Covid-19 Tracker
  github.com/AryakRoy/covid19-tracker/

  - Developed a Responsive Web Dashboard Application for showing real-time Covid-19 statistics such as the number of current infections, recoveries and deaths using ReactJS and Disease.sh API
  - Displays country-wise cases in form of an interactive map and also trends of cases worldwide.

- Netflix UI Clone
  github.com/AryakRoy/Netflix-Clone/

  - Developed a UI clone of the Netflix streaming platform using ReactJS and the Movie Databases API.

## Interests / Hobbies

- Graphic & Web Design
- Reading and Creative Writing
- Cycling
- Badminton
- Fitness and Healthcare

## Personal Details

Date of Birth          : 6<sup>th</sup> March 2002
Marital Status         : Single
Nationality            : Indian
Linguistic Knowledge   : English and Hindi (Native)

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