

## **ARYAK ROY**

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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 <sup>th</sup> Sem. (Expected completion May 2023)	8.87
12 <sup>th</sup> Board	Somerville School, Delhi	CBSE	2019	91.8%
10 <sup>th</sup> Board	Somerville School, Delhi	CBSE	2017	10

### **Achievements**

- Received an award for securing 10 CGPA in AISSE 2017
- Received an award for securing 100 in Computer Science in AISSCE 2019

### **Technical Skills**

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

### **Projects**

- JBoards – Online Project Management Tool  
[github.com/JBoards-VIT/JBoards-portal](https://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](https://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](https://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/](https://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/](https://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)