

# Aryan Kumar

IIT Roorkee | G-mail | Portfolio | Coding Profiles | LinkedIn | GitHub | Contact No.

## Education

Indian Institute of Technology Roorkee, B.Tech

Nov. 2021 – May. 2025

- GPA: 7.8/10.0

Vivekanand School New Delhi (CBSE), Senior Secondary School (class XII)

April 2020 – April 2021

- Percentage: 94.4

## Programming Achievements

- **Candidate Master** (Max. 1904) @Codeforces (**Visit**), with Top global ranks of **196** (Div. 2) and **111** (Div. 3).
- **5 Star** (Max. 2097) @CodeChef (**Visit**), with Top global ranks of **07** (Starters - 181) and **23** (Starters - 179).
- **Knight** (Max. 1952) @LeetCode (**Visit**), with Top rank of **29** (Biweekly - 150) and **solving 800+ problems**.

## Experience

Software Engineer Intern, Celebal Technologies

Oct. 2024 – Dec. 2024

- Developed and Worked upon a full-stack blogging platform during a software internship at Celebal Technologies.
- Built a dynamic frontend using **React**, **Redux Toolkit**, **React Hook Form**, and **React Router** for routing.
- Integrated **Appwrite** for **backend** services like **authentication**, **database management**, and file storage.
- Implemented secure authentication, role-based access, **CRUD** for posts, and responsive UI with **TailwindCSS**.

## Projects

IIT Connects App

[github.com/iamaryankr/iitrconnects](https://github.com/iamaryankr/iitrconnects)

- Built a full-stack social media platform for IIT R using **MERN stack**, with real-time chat powered by **Socket.io**.
- Implemented **authentication and security** via **JWT**, role-based access control, and secure cookies.
- Designed and optimized **RESTful APIs** for users, posts, comments, and messaging with efficient handling.
- Integrated **WebSockets** for chat, seen status, user tracking, and built a responsive UI with **Chakra UI** and **Recoil**.

Face Detecting App

[github.com/iamaryankr/smartBrain](https://github.com/iamaryankr/smartBrain)

- Built a full-stack web app using **React**, **Node.js**, and **Prisma**, with a **PostgreSQL** DB to manage data efficiently.
- Built **REST APIs** via **Express** for user **authentication**, profile handling, and face detection using **Clarifai API**.
- Secured passwords with **bcrypt.js**, managed **environment variables**, and deployed via **GH-Pages** and **Vercel**.

Secrets Project Backend

[github.com/iamaryankr/secrets](https://github.com/iamaryankr/secrets)

- Built a secure platform for anonymous secret sharing using **Express.js**, **PostgreSQL**, and **EJS templates**.
- Integrated **passport-local** and **Google OAuth 2.0** for user login and registration with **Bcrypt** for encryption.
- Designed and executed **PostgreSQL** queries to handle user data, secret submissions, and updates efficiently.
- Configured **express-session** and **dotenv** for secure session management and environment variables.

Word Search System

[github.com/iamaryankr/word-search-system](https://github.com/iamaryankr/word-search-system)

- Developed a full-stack **Word Search and Autocomplete** app using **Express**, **HTML/CSS**, with **Trie-Based Logic**.
- Implemented a system supporting **search**, **rank-check**, and dynamic **file-based** words loading (**100K+ entries**).
- Designed a clean, responsive **UI** with **theme toggle**, **input validation**, and **API integration** using **FastAPI**.

## Technologies

**Languages:** C++, C, JavaScript, SQL, React (JSX), HTML, CSS, Node, Express.

**Tools and Packages:** Github, Nodemon, Postman, Vercel, Heroku, MongoDB, PostgreSQL, Prisma ORM, Appwrite, Redux Toolkit, React-router-dom, React Hook Form.