

Rajesh Kumar Singh

Portfolio: <https://nutnick.netlify.app/>

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EDUCATION

- **Indian Institute of Technology, Kharagpur** Kolkata, India
Dual Degree - Mining Engineering; GPA: 8.1 *December 2020 - June 2025*
Courses: Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Databases
Profile: Web Developer, Android Developer.

SKILLS SUMMARY

- **Languages:** Python, C++, JavaScript, Bash
- **Frameworks:** Scikit, TensorFlow, Django, NodeJS, ReactJS, React Native
- **Tools:** Docker, GIT

EXPERIENCE

- **Klasswise** Remote
Educator (Part-time) *May 2022 - June 2022*
 - **Work outline:** Created two courses, in python and C++
 - **Tutorial - Basic python needed for data science, Basic C++ needed for competitive:**
 - **Impact:** Course has been taken by 500+ students so far with 4.6 average rating.
- **Technology Mining Engineering Society** Remote
Web Head-Leadership, Nodejs, Expressjs, MongoDB, React *September 2022 - Present*
 - : Developed secure and user-friendly authentication pages with required validations and email verification using react
 - : Ideated and executed logic for team and solo events, resulting in increased engagement for over 800 active users
 - : Deployed the backend server on DigitalOcean droplet and hosted the frontend on cPanel ensuring optimal efficiency
- **Density** On-Site
Android Developer (Part-time) *November 2022 - February 2023*
 - : Implemented a significant number of screens(with responsive designs) from the figma designs and implemented a lot of features and optimised the screen processing time.
 - : It is an application in which people will be able to trade their assets based on blockchain.

PROJECTS

- **Team Akatsuki - Web-A-Thon By MongoDB 2023**
Bronze winning, Team Leader, Developed a full-stack web app to help people find teammates for hackathons
 - : Created a user-friendly UI with a homepage for posting competition details, viewing and accepting team requests.
 - : Utilized socket.io to remove filled team positions from the site portal in real time, improving user experience and completed this app in 16 hours.
 - : Hosted Link: <https://team-akatsuki.netlify.app/>
- **Geekommerce**
Self-Project
 - **Description:** Developed and deployed using the MERN stack, implementing user authentication, an admin panel, and a token-based authentication system with json-web-token. Leveraged the power of ContextAPI for efficient state management, while efficiently handling frontend API calls through axios.
 - **Hosted Link:** <https://kingfisher-polo-shirt.cyclic.app/>
- **Personal Portfolio**
Self-Project
 - **Description:** It is a website that has details of all my projects and experience. Tech: ReactJS, CSS
 - : Hosted Link: <https://nutnick.netlify.app/>
- **Zoomify**
Self-Project
 - **Description:** It is a video calling application based on MERN stack built with the help of open source library WebRTC.
 - : We can share this our caller id in this application and we can make a video chat room with that person, with the help caller id, with no limit of video calling time.

HONORS AND AWARDS

- Bronze winning, Team Leader, Developed a full-stack web app to help people find teammates for hackathons in Annual Techno Management Fest Kshitij, organised by IIT Kharagpur.
- 3 star rated competitive programmer at the platform codechef.(maximum rating : 1752)
- Full-Stack Web Developer in silver winning Open-Soft InterHall Competition.
- Cleared MTA Exam in first attempt.

POSITION OF RESPONSIBILITY

- **Competitive Programming Lead at codechef** October 2021 - Present
- **Developer at RP Hall Web Team**
Developed and maintained the website of Rajendra Prasad Hall of Residence. *Jan 2022 - Present*
- **Web Head at Technology Mining Engineering Society(TMES)**
Developing the frontend of the website and connecting it with the backend of the website. *September 2022 - Present*