

AKHILESH RANJAN KUMAR

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Education

Bachelor of Technology **Indian Institute of Technology Bombay** *Mumbai, India* **07/2018 - 05/2022**

- **Major** in Metallurgical Engineering and Materials Science; **Minor** in Aerospace Engineering

Experiences

Software Development Engineer **Safe Security** *Remote, India* **07/2022 - 12/2022**

- Worked on the **CaaS (Connector as a Service)** based framework to fetch the security data from the system in an open and faster way
- Led the security research, design and development of the CaaS based **SaaS connectors** to access data from 3rd party enterprise SaaS apps
- Integrated with now open source **SAFE's Signal architecture** to make the data flow process dynamic and easy to manage and scale
- Developed the native controls, worked on the scripts to integrate, automate and fast pace the work flow of the system to meet deadlines
- Engaged in several open-source software and **Signals** to integrate it with the stack to make the platform **API-based** and data driven model
- Undertook several epics and worked with the team and cross-team **collaborations** to get the epics to completion with great **team-work**
- Learned the ways of safe code practices, functional programming, scalability testing, security practices to make the work easy and scalable
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, code debugging, unit/integration/e2e testing

Web Developer, Intern **Clear Exam** *Remote, India* **06/2021 - 08/2021**

- Awarded **Letter of Recommendation** from *CEO's office*; An Ed-Tech Company offering training for K12 level Entrance Exams
- Designed and worked on system's frontend for a fully responsive web page "Career Library" using **HTML, CSS, React and JavaScript**
- Designed, developed and engineered an **Online Quiz portal** based on the system's requirement and hosted it through Blogger website
- Automated and optimized the development logic for the engineering team working on different aspects, including scripts and A/B testing
- Volunteered as a **Team Lead** and supervised several other operational projects to enhance the **productivity** and quality of the resources
- Resulted in a 34% users' growth in the website and 40% increase the engagement sessions on the platform across all the websites

Content Writer, Freelance **Slumber Group** *Remote, India* **01/2021 - 07/2021**

- Worked remotely as a freelance writer for a story-telling podcasting company and authored 3 creative contents of more than **2500+** words
- Curated well researched and thoughtful meditative contents in the form a bedtime stories that has added **economic value** to the company

Skills

- C++ | Python | JavaScript | TypeScript | HTML | CSS | PHP | Node | PostgreSQL | React | Git | Docker | Object-Oriented Programming
- AWS | Cloud Computing | CI/CD | Jest | Unit Testing | Lambda | Blender | Postman | REST APIs | CDK | Adobe Illustrator | Jenkins

Projects

Portfolio Website | Web Development Self-Project **(12/2022)**

- Self learned and developed a personalized **react based** website to organize skills in a visually appealing, professional and **creative** way
- Integrated with variety of APIs such as **EmailJS** and **Firebase** database service to make the website **dynamic** and scalable in future

AI Image generator | API-based Self-Project **(12/2022)**

- Researched, designed and developed a full stack **open AI** based image generator using react framework to work with open source APIs
- Integrated with **open source APIs** and frameworks to securely deploy the stack and learned to work with **environment variables**
- Working on the model with more integrations to **enhance** the current version and equip it with more APIs and services to make it **robust**

Data for Social Good | Hackathon by TISC Foundation **(09/2021)**

- Delivered the comparative climate change pattern **visualization** of Telangana with data mining of open source weather data from 2017-21
- Identified the potential causes for the weather changes and its future impacts in a **predictive report** for rainfall and temperature

Awards & Achievements

- **Climate Science Olympiad:** Became a **Semi-finalist** and secured a seat in **top 6% participants** all across the world **(08/2021)**
- **Hostel Technical Color:** Awarded hostel's Technical color for the exemplary contribution to the technical sphere **(03/2020)**
- **RC Plane GC:** Secured 1st position in RC plane Aeromodelling GC despite having unfavorable flying environment **(02/2020)**
- **NTSE Scholar:** Recipient of the prestigious NTSE Scholarship (**top 0.1% out of 1 million** students) **(05/2016)**

Extracurricular

Sports

- Represented the institute in 2 Athletics events at the **54th Inter IIT Sports Meet**
- Participated in **5 km** Virtual Run, to promote health and fitness during pandemic era

Cultural

- Authored and self-published a fiction novel titled "**Father and Son**" with an online rating of **4.5/5**
- Secured **1st position** in the Inter Hostel Theatre competition organized by Fourth wall