

KSHITIJ ROODKEE

Final Year Student

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🌐 [horizenight](#)

EXPERIENCE

Open Source Contributor/Mentee

Hyperledger Foundation

📅 June 2023 – Present

- Updating [Iroha 2 Blockchain Explorer](#) with Rust language; incorporating recent Iroha version (2.0.0-pre-rc.16) and learning HTTP, asynchronous logic, and frontend APIs.
- Milestones: Configuring environment, initial updates, manual testing, code refactoring, and final documentation.
- **Skills:** Rust, HTTP, Asynchronous Logic, Frontend APIs.

Software Engineer

Digital Product School SDE

📅 May 2023 – July 2023

📍 Germany

- Developed [Histourists](#), an immersive web app for exploring Munich's captivating history.
- Collaborated with cross-functional teams, applying agile methodologies to deliver innovative human-centric products.
- **Skills:** React, Java, AWS, PostgreSQL, Agile, Full-stack Development.

Summer Research Fellow

National Centre For Biological Sciences

📅 June 2022 – July 2022

📍 Bangalore, India

- Researched, compared, and analyzed 20+ research papers on deep learning applications in biology.
- Gained hands-on experience in analyzing, manually annotating cryoTomographs, and applying deep learning techniques.
- **Skills:** Python, Deep Learning, Image Processing.

Junior Front-end Developer

Asia Tech Journal Internship (Remote)

📅 July 2022 – August 2022

- **Teamwork:** Led cross-functional teams, delivering quality projects on time and budget, while mentoring junior developers.
- **User Experience UI/UX:** Developed user-friendly interfaces that improved the overall user experience and increased engagement by 25%.
- **Skills:** React, TailwindCSS, ThreeJS.

EDUCATION

Bachelor of Technology

National Institute of Technology, Hamirpur

📅 December 2020 - Current CGPA: 9.65/10

Online BS in Data Science and Programming

Indian Institute of Technology, Madras

📅 December 2020 - Current CGPA: 7.3/10

SKILLS

- **Languages:** Python, C++, Rust, JavaScript, TypeScript, HTML, CSS
- **Technical Proficiencies:** React JS, Three JS, Node JS, Scikit, FastApi, RestApi, TensorFlow, Flask.

PROJECTS

FlaskGram - Instagram Clone (Flask, SQLite, Python)

- Developed an Instagram Clone using Flask with a customized feed, likes, archives, login/logout, search, and follow/unfollow.
- Utilized Jinja2, WTForms, Werkzeug, SQLAlchemy, Flask-ckeditor, Flask-login. Designed a robust database schema for posts, users, and likes.

BrandGenerator.ai (Python, FastAPI, AWS Lambda, ChatGPT3, React.js)

- Developed a user-friendly brand generator website with custom tagline creation and hashtag generation in markdown format.
- Utilized FastAPI, AWS Lambda, and ChatGPT3 for backend functionalities, while the frontend was built using React.js.

Nimbus 2k22 (Three.js, React.js)

- Developed the official website for the national-level tech fest, Nimbus 2k22, held at NIT Hamirpur.
- The website, built using JavaScript, React.js, Three.js, and Firebase, serves as a platform to advertise various events and encourage participation.

Gust (Rust)

- Implemented a search engine in Rust to search for functions based on their descriptions using the TF-IDF algorithm.
- The search engine was specifically designed to index and search functions in the docs.gl documentation.

Animations (After Effects, Blender)

- Created various short videos, trailers, and creative content using animation tools like Adobe After Effects and Blender 3D.
- One of the launched short videos gained significant traction, amassing over 50k views on Instagram.

ACHIEVEMENTS

- Class' Representative — BTech DoCSE (Class of 2024).
- Winner of Github Challenge under Spec International Level Hackathon 2022.
- Selected for Amazon ML School 2022, and Google Machine Learning Bootcamp 2022.