

AASHIRWAD KUMAR

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Education

Birla Institute of Technology

Imsc Mathematics and Computing, GPA:8.63

July 2018 – Current

Mesra, Jharkhand

Experience

Floxus

Student Developer

Feb 2022 – current

Ranchi, Jharkhand

- Worked on developing CRUD app for clients alongside team with React and utilising hooks functionality incorporating state management using Redux and API Management using Middlewares with Firebase backend.
- Developed communication channel for Company Website and Unbound Website using Discord Js, Node Js and React
- Managed and Collaborated on Webflow and Shopify E Commerce WebApps for clients incorporating UI/UX practices and E-Commerce features.
- Proposed and Developed React, Material UI and Monaco Editor based Code Editor using Judge0 Api server as code server with features to change modes, compile and display results of code in 5 languages.

SNTI, Tata Steel

Internship

May 2020 – August 2020

Jamshedpur, Jharkhand

- Developed a service to identify distance between two objects in a Real Time Video.
- Incorporated scripts using Python, Open CV and Image Segmentation with YOLO, IMAGENET techniques to develop a Social Distance Monitoring App.
- Utilized prebuilt app on Google playstore to capture video through mobile camera and stream results using hotspot on local computer.
- Explored ways to perform video analytic and image processing in Backend.

Projects

Diary App | React, Redux, Javascript, Material UI, Firebase

Web Development

- Developed a Diary Webapp using React hosted on local server to update and retrieve daily entry from Firebase
- Implemented CRUD principles and utilized Firebase authentication and Firestore schema based on Database principles.
- Implemented React Hooks, Redux State Management and asynchronous data handling alongside Formik for forms in React.

CricNews Telegram Bot and Website | Javascript, NodeJS, Telegraf

Backend Web Development

- Created Telegram Bot Server using Telegraf and NodeJs to handle APIs using axios and create bot commands for Telegram using Telegraf.
- Implemented FlexBox CSS and fetch, async, await and DOM Manipulation to make a Dynamic Website to daily update Cricket News from around the world

CodeEditor | React, Material UI, Axios, Judge0, Monaco Editor

Web Development

- React based CodeEditor with design using Figma and implemented using MUIv5 incorporating theme change and other design principles.
- Used Monaco Editor by Microsoft to implement code editor features and incorporated 5 languages with intellisense support in Javascript.
- Using Axios to fetch results from Judge0 server API for code review and code compilation.

Technical Skills

Languages: Python, C++, HTML/CSS, JavaScript

Developer Tools: VS Code, DevTools, NPM, Google Cloud, Telegram Bot, Discord JS, Monaco Editor, Appsmith, Strapi

Technologies/Frameworks: React, NodeJS, Linux, GitHub, Latex, Redux, Material UI, Firebase, Shopify, Webflow, Hashnode

Leadership / Achievements

- **IET, BIT Mesra, Member:** Organised Linux Networking with over 500 participants.
- **Smart India Hackathon: Finalist:** Selected for Smart India Hackathon from BIT Mesra to represent university at National Stage.
- **Crio Do Weekend Challenge:** Secured rank 1 in Crio Do weekend Challenge, developing an application utilizing asynchronous functions using API.
- **Secured 228 rank in IIT JAM Exam:** Masters Entrance organised by IISC Bangalore in Mathematical Statistics