

RIDHI M JAIN

FULL STACK DEVELOPER



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ABOUT ME

I aspire to attain continuous growth and leverage my knowledge which demands and contributes the best of my ability in terms and technical and analytical skills. My aim is to be a better developer, understand and cater to the user's demands, experience challenging paths and contribute to the organisation to my best.

SKILLS

- **Programming Languages:** C, C++, Java, Python, JavaScript, HTML.
- **Framework and Libraries:** Django, Flask, Reactjs, Redux, Next.js, Thunk, Nodejs, Tensorflow, Pandas, Keras, SailJs, ExpressJS, Bootstrap, CSS.
- **Database:** MySQL, PostgreSQL, Redis, Firebase.
- **Operating System:** Windows, Ubuntu, Android, Linux Kali, Fedora.
- **Automation Frameworks:** Github, Docker, Gitlist.

EDUCATION

BACHELOR OF TECHNOLOGY, COMPUTER SCIENCE AND TECHNOLOGY (2017-2021)

Bapuji Institute of Engineering and Technology
CGPA -8.52

LANGUAGES

- English
- Hindi
- Kannada
- Rajasthani

EXPERIENCE - 3+ YEARS

FULL STACK DEVELOPER

Uppsala Security

June 2021 - Present

Projects -

- Sentinel Protocol
- Chainkeeper
- TOMS
- Wallet Crawler
- TRDB
- Upward

Skills -

- **Django / Node.js**
- **Reactjs / Typescript / Nextjs**
- **Redux / Thunk**
- **RabbitMQ / Kafka / ES**
- **PostgreSQL / MySQL**
- **Docker, Github, AWS, Redis**

- **Django REST Framework:** Developed models, views, serializers, and optimized SQL queries.
- **Frontend Development:** Built React components and designed responsive screens using Material-UI.
- **Docker:** Created and updated Dockerfiles for container management.
- **Redis Cache:** Implemented caching solutions for performance improvement.
- **GraphQL:** Integrated GraphQL queries for efficient data retrieval.
- **Microservices:** Designed and implemented a microservices architecture.
- **Automation & Elasticsearch:** Automated workflows and integrated Elasticsearch.
- **Iframe & RabbitMQ:** Integrated iframes and implemented RabbitMQ for messaging.
- **Bug Fixing & Documentation:** Resolved bugs and created documentation and flow diagrams.

PROJECTS

SMART INDIA HACKATHON - 2019 (TOP 10 WINNERS)

Smart Solution for Farmers

TechStack used - Flask | R | Tensorflow | Firebase | Reactjs

The application provides -

- Crop Recommendation based on soil condition, determined using Interpolation (Numerical Analysis), Krigging (Geo statistics) and CART.
- Pest recognition using CNN.
- Triggering Alert system using Open WeatherMap API.
- Used Firebase implementations for authentication, notification, etc.
- Used AWS to host and support virtual environment services.

SMART INDIA HACKATHON - 2020 (TOP 4 WINNERS)

Offline PWA app for STET

TechStack used - Django | JavaScript | React JS | React Native | Firebase

Built a PWA application for Sikkim Government for STET. The App runs on low internet, offline mode and data is cached (localStorage).

- Integrated Firebase Cloud Function to send E-mail notification.
- Used libraries for PDF generation, and a flask api document auth.
- User verification using DigiLocker.
- It's a full fledged application adhering to all checks required.

NAIN - 2019 (SEED FUNDED BY STATE GOVT. - 3 LAKHS)

NO-Parking Sensor

TechStack used - Django | Python | Javascript | Firebase

NAIN - 2020 (SEED FUNDED BY STATE GOVT. - 3 LAKHS)

Depression Detection

TechStack used - Django | Python | Javascript | PostgreSQL

INTERNSHIPS

FULL STACK DEVELOPER - REACT/ DJANGO

Networked

March 2021 - May 2021

Major features / implementations -

- Built the core modules & features of the backend using web sockets and node.js to implement user model.
- Built slick web user interfaces and notes implementation from the conversations.
- Optimized code & queries to maintain strict performance constraints.

WEB DEVELOPER - JAVASCRIPT

Raahee

Feb 2021

- Built blogging feature including Backend which allowed users to write blogs and post it internally.
- Implemented CMS to ease the process of writing blogs.

FULL STACK DEVELOPER - JAVASCRIPT

Bezzie

May 2020 - Jan 2021

- Developed the entire backend and frontend for the user signup/login, and onboarding screens and supporting functionalities.
- Developed custom voicebot and fetched the insights to train the AI model.
- Dockerized the app and maintained it on cloud(GCP).
- Wrote end to end test cases.

FULL STACK DEVELOPER - DJANGO

BIET

Jan 2020 - Jan 2021

- Have built the college website using DJANGO.
- Used Django admin panel, used rest framework concepts like MVC and serialization.
- Responsible for hosting it.

DATA SCIENTIST - PYTHON

BIET - SmartBridge

Final year internship (2021)

- Developed Pothole Detector using YOLO algorithm to correctly identify the pot holes on the road.
- Developed a Telecom Churn model with XGBoost attaining 89.96% prediction accuracy and a flask application for the company to interact with the model.