TUSHAR RASTOGI

Full Stack Developer

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EDUCATION

Bachelor of Technology - Computer Science

Chandigarh Group Of College

📅 Graduation: July 2022

SGPA: 7.9

EXPERIENCE

Full Stack Developer

Paperplane

📅 July 2021 – Present   📍 Bangaluru,Karnataka

- Designed user-friendly websites with a focus on delivering an exceptional UI experience using **React JS**.
- Developed multiple **user journeys** for doctors and patients, enhancing the overall functionality of the platform.
- Implemented a flexible code structure, a **meta bot system** to accommodate multiple client-specific whatsapp bot variations.
- Built the entire backend infrastructure from scratch using **FastAPI framework**.
- Created **internal tools and scripts** to streamline team workflows and improve productivity.
- Implemented background processing tasks using **Celery** for efficient handling of large-scale computations.
- Automated user messaging through the setup of **cron jobs** for enhanced workflow automation.
- Orchestrated infrastructure setup and continuous deployment using **Terraform** and **GitHub Actions**, enabling rapid website creation within minutes.
- Utilized **MongoDB's advanced querying** capabilities to optimize data retrieval and improve API performance.
- Contributed to the deployment of code files, optimizing their configuration for efficient execution on **AWS Elastic Beanstalk**.

Full Stack Developer

Flocus Technologies Pvt. Ltd. - Opmagic.ai

📅 Feb 2021 – June 2021   📍 New Delhi,IN

- Wrote production-ready code using **test driven development** in **React.Js** and **Django REST Framework**.
- Programmed Events and APIs for **event driven architecture** for a **SAP** system in manufacturing industry.
- Increased API speed by **50%** through component standardization, asynchronous using **celery** and visualized using **elastic search APM**. Optimized the overall product by **35%**.
- Managed a team of **10+** developers in an **Agile environment** and assisted in implementing **CICD** pipeline.
- Designed the working journey of place order from vendor to place order to customer.

Front-end Developer Intern

Shoes on loose

📅 Aug 2020 – Jan 2021   📍 New Delhi,IN

- Developed various generic components through **React**.
- Used **Redux** for state management.
- Used **Web-sockets** for state management.

TECHNICAL SKILLS

Languages:

- C, C++, C, Python, Java, Javascript, HTML, CSS, Matlab/Octave, Dart, Kotlin, PHP, Go

Frameworks and Libraries:

- Flask, Django, Fast API, React JS, Express JS, Three JS, Node JS, Redux, Regex, Material UI, ReactNative, Angular JS, Bootstrap, Numpy, Pandas, PyTorch, Scikit Learn, Matplotlib, Tensorflow, OpenCV, Transformers, Keras

OS and Databases:

- Ubuntu, Kali, Windows, MySQL, PostgreSQL, MongoDB, Neo4j

PROJECTS

HelloWorld

React JS, Material UI, Python(Django), SQL, Heroku

- Built blogging web application using **React JS** and **Material UI** for the front end and **Django** the for back end and empowers multiple user login and signup .
- App allows users to manage visibilty and access of their blog posts. It moreover supports fuctionality to send mail to users using smtp.
- It also has the functionality to chat with other users and group them together.

GreenLeaf

CNN, ReactNative, FastAPI, Numpy, Pillow, SQL, PyTorch

- The Frontend UI made using **ReactNative**, and the CNN model using in backend trained over 1000+ images of healthy and unhealthy plants with other details for classification.
- The app classifies the type of plant and it's details with is the plant is healthy or not through input image.

Webcam Motion Detector

Python, OpenCV, Tkinter

- Implemented class functions that can detect object through cameras.