

Ajay Sharma

Full Stack Web Developer

I like to make stuff.

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EDUCATION

Bachelor of Technology

Indian Institute of Information Technology,
Bhopal

08/2019 - 06/2023

CGPA - 8.9

WORK EXPERIENCE

Full Stack Development Intern Prescribe

10/2020 - Present

Prescribe is an IIT-M alum founded HealthTech start-up that aims at efficient digital healthcare delivery through powerful technologies.

Achievements/Tasks

- Building React components from scratch for the suite of telemedicine software that work together.
- Mobile based authentication system for patients to keep track of their consultations.
- Built Diet Plan module which enables doctors to prescribe a diet to a patient from scratch along with their regular medication.

Full Stack Developer and IoT Intern Bipolar Factory

04/2021 - Present

Bipolar Factory is a boutique engineering services company providing technology solutions in IoT, Deep Learning, Web, and Mobile.

Achievements/Tasks

- Build network outage handling in and electron desktop app for EVM monitoring software for elections in India.
- Built a contact less attendance system with face recognition using AWS Rekognition, temperature sensor for Raspberry pi via GCP IoT Core.
- Built a chrome extension using Tensorflow coco-ssd model, it enables the user to navigate through presentation slides in Microsoft Powerpoint Web.

Django Development Intern Scrapshut

03/2020 - 08/2020

Scrapshut provided easy plugin built upon Angular which can be integrated into any website with just 4 lines of code.

Achievements/Tasks

- I worked on Django Rest Framework. My tasks involves building new APIs from ground up.
- Built complete authentication backend system implementing JWT
- Build and integrated complete payment system using Razorpay with Django Rest Framework for payments in we as well as android app

SKILLS

Nodejs

React

Django

Arduino

IoT

STM32

AWS Cloud

GCP

Raspberry Pi

PERSONAL PROJECTS

End to end E - COMMERCE solution for small businesses to go online (10/2020 - 11/2020)

- Deployed Link : <https://mern-shoppp.herokuapp.com/>.
- Complete solution for customer to place order, pay online and simultaneously seller can process this order and proceed forward with the shipping. It is built on React, Redux and Bootstrap. The seller can completely customize the site to his needs.

IoT Web Application for real-time monitoring of Industrial Standard Compost Machine (10/2020 - 11/2020)

- Deployed Link : <https://ajay-compostconsole.herokuapp.com/>
- The web application built on Django gets real time data from Arduino MEGA, via SIM900 GPRS module, in the compost machine and displays it to the user on we dashboard.
- The data includes temperature, humidity, motor direction, door is open or not, time and many more useful data.

ERP suite for school (09/2020 - 10/2020)

- An android application built on React Native with a custom Node js backend, implementing a complete ERP suite for a JMRD School, Datia, India.
- The main highlight features included online attendance section for teacher, subject based chat rooms for doubt clearing sessions for students and a real time exam conducting section as well.
- I also implemented Razorpay for online fee payment during the pandemic.

Blog Web Application built on Django with AWS storage

- Deployed Link : <https://ajay-no-blog.herokuapp.com/>.
- Blog application built on Django featuring storage for user uploaded media on AWS S3 Bucket. It all basic and some more features that a social content sharing application should have like sorting articles based on who posted it.

Controller for an Industrial Composting Machine using Arduino MEGA2560 (04/2020 - 08/2020)

- Built arduino program for an Industrial Composting Machine.
- The tasks that the program performs includes controlling a motor for the mixer and switches its direction as per need, controls, temperature based on input from thermistors.

An application for handling daily expenses - Be Responsible (03/2020 - 04/2020)

- Deployed Link : <http://be-responsible.herokuapp.com/>
- A Full stack progressive web app built on react and context API for keeping the user's expenses in check.
- Backend is built on Node js. & Responsive UI using Bootstrap 4.
- The application comes with google login and is built using JWT.