

PRAJWAL SINGH

Indian Institute of Information Technology and Management, Gwalior

@ prajwal714singh@gmail.com

+91 8317057596

in www.linkedin.com/in/prajwal-singh-146b8415

github.com/prajwal714

EXPERIENCE

Full Stack Intern

www.fellowapp.co

Aug 2019 – Sept 2019

- Worked on Realtime chatbot for Recruiters. Translation of PHP to Node.js APIs, maintaining documentation and consistency using Docker and Git.
- Development of Candidate dashboard using React, Redux.

Web Developer Intern

vicinitycharter.com

May 2019 – July 2019

- Worked on E-commerce website, developed responsive React components and implemented Wireframes designs of Product Page, Checkout Page and Home Page.
- Developed customized Calendar component, Invoice Generator and REST APIs to calculate rent price based on selected duration and price settings.
- Technologies used: React, Redux, Nodejs, SCSS, Git, ES6.

Research Intern

IIITM GWALIOR

May 2018 – Jun 2018

- Developed python program for Vehicle detection, classification and counting using YOLO algorithm and openCV on Realtime traffic video stream.
- Improved accuracy of program and implemented it on Raspberry Pi with some optimizations.
- Technologies used: OpenCV, Python, Matplotlib, YOLO, Numpy. Raspberry Pi

PROJECTS

Stock Images Website with Image Based Search Engine

Aug 2019 – Present

- Image sharing website to Post, View, Share and Download images using React.js.
- Implemented Scalable Image based Search Engine microservice using Opencv, hashing and VP Trees on python+flask server, images stored in Firebase.
- Auto tagging of images using Image Recognition API service.
- Central server implemented using NodeJs and Cloud storage on MongoDB Atlas.

Movie Booking and Recommendation system

Nov 2018 – Jan 2019

- Developed a Movie booking Website with admin and user panel for management and bookings. CRUD operations on screens, timings, integrated OMDB API to search and add latest movies directly from the web.
- User can lock and book desired seats, view booked tickets and get recommendations based on liked movies based on collaborative filtering.
- Technologies used: Node.js, express, mongodb, ejs, python, flask, bootstrap.

Intelligent Navigation Stick for visually impaired

May 2019 – July 2019

- Hardware project which uses pi camera and mobileNet SSD to classify obstacles and measure distance using ultrasonic sensors.
- Conversion of obstacle detected as a warning signal in speech using espeak module.
- Implemented the project on raspberry pi and interconnected all the hardware components using GPIO pins to switch between modes through buttons.
- Deployed object detection model as an API service on flask server on heroku platform.

SKILLS

Programming/Scripting

- Javascript, Node.js+Express, C/C++, Basics of Java, Python+Flask.

Frontend Frameworks

- React+Redux.

Database

- MongoDB, MySQL, Pusher, Firebase.

Tools

- Git, Heroku, Docker, OpenMP, MATLAB, openCV.

EDUCATION

Bachelor of Technology in Computer Science

Atal Bihari Vajpayee Indian Institute of Information Technology and Management

July 2017 – Present

- CGPA: 9.01

XII Standard ISC

St. Joseph's Convent, Varanasi

April 2015- March 2016

- Percentage 97%

X Standard ICSE

St. Joseph's Convent, Varanasi

April 2013 – March 2014

- Percentage: 94.5%

POSITIONS HELD

- Mentor Developer's Circle AASF Technical Club IIITM.
- Technical and Photography head at Uthaan (Journalism and Recreational club of IIITM).
- Executive Hack2connect hackathon at Aurora 2018 (Techo-Cultural fest IIITM Gwalior).
- Co-ordinator Graphic Designing HIQ AASF.

ACHIEVEMENTS

- Winner AASF Winter Project Competition.
- Runner up in AASF Webkriti Website Development Competition.
- Winner Sketching Competition in IIITM under MHRD EBSB.
- Winner Photography Competition In the moment, Picturesque.
- District Second Position in ISC XII Board Exams.