Baibhav Singh

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EDUCATION

Bachelor of Technology - VIT Vellore, Tamil Nadu
Major: Computer and Science Engineering (GPA: 7.91/10)   *July 2017 - June 2021*

Intermediate - GIHE, Dhapakhel, Lalitpur
Major: GCE ALEVELS Math and Computer Science   *July 2014 - July 2016*

TECHNICAL SKILLS & TOOLS

- **Experienced**: NodeJS, React, Angular, MongoDB, MYSQL, RDMS, Arduino, Git, SDLC, Express, Routing, Problem solving.
- **Familiar**: Selenium, MATLAB, R, Unity, Networking, Ray tracing, Pro discover.
- **Programming Languages**: JavaScript, Python, Java, C, C++, SQL, NoSQL, HTML, CSS.
- **Languages**: English, Nepali, French.

TECHNICAL PROJECTS & RESEARCH

Smart Stick for Visually Impaired Person
VIT Vellore   *August 2019- October 2019*
- Achieved the verification of obstacles in Infront of a blind person and live location tracking.
- Integrated ultrasonic sensors, sim808 module, buzzer with Arduino uno board to develop an IoT-based stick.
- Implemented 2 features i.e., obstacle detection and live location tracking.

Intelligent Health Monitoring System with pulse oximeter analysis
VIT Vellore   *September 2020- June 2021*
- Implemented IoT-based health monitoring system with the help of Arduino Mega, temperature sensor, GPS and Max30100.
- Integrated Random Forest classifier to predict the diseases.
- Implemented 3 features i.e., Data collection, storage and analysis.
- Successfully assembled and tested the prototype in real-time with Arduino, cloud and Jupyter Notebook.

Criminal Detection Using Facial Recognition
VIT Vellore   *January 2020- April 2020*
- Designed python application to detect criminal using image file as well as live surveillance.
- Python GUI, XAMPP server, MySQL, OpenCV modules are the major takeaways from the project.
- Implemented 3 features i.e., Registering, Detecting by image and Video Surveillance of the criminals.

Design and development of Node Js projects
VIT Vellore   *January 2021- April 2021*
- Created and implemented 4 apps i.e., Notes app, Weather app, Task app & Real-time chat app.
- Knowledge of different libraries, Express, APIs, Socket.io, and NoSQL was employed and enhanced during the entire project.
- Successfully assembled and tested the prototype in real-time with Open weather & map box API.

EXPERIENCE

Hashbinary Services LLP | Software Engineering Intern   *May 2021- June 2021*
Mumbai, India
- Created APIs for what's app bot using open-wa/wa-automate library.
- Knowledge of different libraries, Express, REST APIs, and NoSQL was employed and enhanced.
- Acknowledged the importance of functions like callback, promises and async/await in Nodejs.

Comitium | Software Developer Intern   *June 2021- Present*
Birmingham, United Kingdom
- Tested and implemented usability of the prototype of the application.
- Knowledge of different React libraries, hooks, redux, babel, webpack were enhanced.

RELEVANT COURSEWORK

1.Network and Communication	2. OOSD	3. Internet of Things
4. TOC and Compiler Design	5. Software Engineering	6. Digital Forensics
7. Parallel and Distributed Computing		

COURSES

1. Deep Learning Specialization & Machine Learning   2. Java Programming: Arrays, Lists, and Structured Data

HOBBIES

Football, Movies, Travelling , Social Services, Reading.