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**: Quality Assurance, US Healthcare, Test Automation, NodeJS, MongoDB, Arduino, Git, SDLC, Express, 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

Cedargate Technologies Nepal | Associate Software QA Engineer   November *2021- Present*
Kathmandu, Nepal
- Understood the requirement and executed different types of testing i.e., Regression, Smoke, Sanity, QAT, UAT on the Application. Created Test documents and executed QAT and testing of hotfix packages.
- Analyzed different support tickets and attended client calls with offshore team.
- Worked on both support and delivery tasks related to 3 cumulative and 1 version releases.
- Knowledge of different US Healthcare related topic were employed and enhanced.

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.

RELEVANT COURSEWORK

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

COURSES

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

HOBBIES

Football, Movies, Travelling , Social Services, Reading.