Vikas Pratap Singh
Technical Consultant

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Technical consultant with excellent problem solving skills and ability to perform well in team, passionate about coding and enjoy learning new skills.

WORK EXPERIENCE

Technical Consultant
o9Solutions Inc.

07/2021 - Present *Bengaluru,India*

Projects
- Working in customer success team, helping client to automate their *Retail Sales* and *Procurement Process.*
- Optimized execution time of daily scheduled data load batches by 55 mins which impact more than 900 users.
- Working on SqlServer, MySql, SSIS and Azure to build an end to end solution for multiple projects.

Functional Consultant Intern
o9Solutions Inc.

02/2021 - 06/2021 *Bengaluru,India*

Projects
- Build high impact feature like *Customer Complaints* and *Employee Rating Portal* for client.
- Worked with SqlServer, MySql, SSIS and Azure to build an end to end solution for multiple projects.
- Revamped two workspaces and fixed bugs.

Design Engineering Intern
Cadence Design System

05/2020 - 11/2020 *Pune, India*

Projects
- Worked in Design Engineering team helping them in validating designs.
- Worked on running regression and generating test cases for *IC Verification.*
- My worked involved playing around with *System Verilog* and *Perl.*

Intern
IIT Kanpur

05/2019 - 06/2019 *Kanpur, India*

Projects
- An educational internship primarily focuses on concepts of *AIoT.*
- Gained hands on experience on IoT.
- Developed a *remote controlled obstacle avoidance bot* equipped with multiple sensor.

EDUCATION

B. Tech. in Electronics and Communication
Indian Institute Information Technology, Pune

08/2017 - 06/2021 *CGPA : 8.85/10*

SKILLS

Data Structures   Algorithms   SQL   SSIS
Object Oriented Programming   Git & Github
Nodejs   Expressjs   EJS   APIs   MongoDB
OpenCv   DBMS   Linux   Azure

PERSONAL PROJECTS

To-Do-List (11/2021 - 12/2021)
- A nodejs based to do list web app with functionality to create multiple list .
- Dynamically create and delete items and list at run time.

Virtual White Board (12/2020 - 03/2021)
- A python based *Teaching Board* that aims at easing explanation for people in virtual mode.
- It uses OpenCv & numpy library to extract input from streaming video and transform the movement to display on canvas.
- Equipped with multiple functionality such as dual theme , save and pdf notes generation.

Underwater Image Enhancement (08/2019 - 12/2019)
- Worked on to develop an effective technique that enhances the image captured underwater.
- It is a single image based approach which doesn't require any specialised hardware.
- Developed based on white balancing, histogram and multi scale fusion techniques in MATLAB.

Animal Monitoring System (05/2019 - 07/2019)
- A Python based *Animal Monitoring System* aims at preventing animals to enter in the fields.
- It uses OpenCv, Raspberry-Pi, Pi-camera for animal detection and communication with server.
- *Successfully tested* it to detect dogs by deploying Pi-camera on drone in IIT Kanpur campus.

ACHIEVEMENTS

Significant Contributor (11/2021)
Recognised as significant contributor for the month of nov 2021

LANGUAGES

C++
Full Professional Proficiency

Python
Professional Working Proficiency

javascript
Professional Working Proficiency

Perl
Professional Working Proficiency