Vaibhav Gupta

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SKILLS SUMMARY

- **Languages**: C++(Intermediate), Python(Decent), R(Good), JavaScript(Decent), SQL(Good), JAVA(Good), HTML & CSS(Decent), PHP(Decent), React(Decent)
- **Technical Skills**: Data Structures & Algorithms(Decent), Unix/Linux(Decent), DBMS(Decent), OS(Decent),Computer Networks(Decent),Node JS(Decent), React JS(Decent), AngularJS(Decent)
- **Technologies**: Machine Learning(Algorithms) (Decent), Web Development(Good), MySQL(Decent), RabbitMQ(Decent), Redis(Decent)
- **Soft Skills**: Learner, Futuristic, Intellectual, Ideation, Analytical, Empathy, Strategic,Time Management.

EDUCATION

- **Graphic Era Hill University**   Dehradun, India
  Bachelor of Technology - Computer Science and Engineering; Current GPA: 8.83   *October 2020 - May 2024**
  Courses: *Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Databases, Operating Systems*

- **Sainich Chinar Public School**   Kota, India
  Senior Secondary Education; Percentage: 83.6   *June 2017 - May 2019*
  Courses: *Physics,Chemistry Mathematics*

- **St.Thomas Senior Secondary School(ICSE)**   Mainpuri, India
  High School Education; Percentage: 72   *June 2016 - May 2017*
  Courses: *Physics,Chemistry,Mathematics*

PROJECTS

- **OurApp - a social media web app in NodeJS**: OurApp is a simple real-world application where users can write short tweets, follow each other and also chat with each other. In this project, Build a full stack web application - OurApp (a social media app) using Node.JS, Express.Js,MongoDB, EJS (Template Engine for server-side rendering) and deploying the application to Heroku. **Tech**: NodeJS, MVC pattern, NoSQL Database (MongoDB), ExpressJS (January '23)

- **Distracted Driver Detection(Real-time detection of distracted driving based on deep learning)**: With a goal to reduce traffic accidents and improve transportation safety, this study proposes a driver distraction detection system which identifies various types of distractions through a camera observing the driver. An assisted driving test bed is developed for the purpose of creating realistic driving experiences and validating the distraction detection algorithms. **Tech**: ML Algorithms, Deep Learning (October '22)

- **Economic e-Shopping Guide(Personalized Based Search Engine)**: Developed an efficient recommendation system for online shoppers to find the best deals based on their personal requirements (in Java). **Tech**: Java (August '22)

- **Automated Vertical Hydroponics System(Using IoT and Cloud Computing)**: This project aims to design and construct an indoor automatic vertical hydroponic system that does not depend on the outside climate using IoT and Cloud Computing. **Tech**: Python, Raspberry pi, Cloud Computing, Android development (October '18)

PUBLICATIONS

- **Research paper: Automated Vertical Hydroponics System(IoT)**: (Work in Progress) Research Paper to be published in late 2022. Tech: Raspberry Pi , Cloud Computing, Android Development (June '22)

- **Patent: Automated Vertical Hydroponics System (IoT)**: (Published) Patent on this project has been published in June 2022. Tech: Raspberry Pi , Cloud Computing, Android Development (June '22)

HONORS AND AWARDS

- Certified in Introduction to Python Fundamentals course by Coding Ninjas (Certificate of Excellence) - November,2022

- Participate & Secure rank 700 in AWS DeepRacer Student's League(India 2022) - October, 2022

- Certified in Master core computer science concepts by mastering data structures, algorithms problem solving using C++ by Udemy - September, 2022

- Shorlisted in Microsoft Engage Program - June, 2022

- Qualify JEE Mains Exam with rank 38432 out of 11.74lakh students appeared in exam - August, 2020

VOLUNTEER EXPERIENCE

- **Google Developer Student Clubs**   Dehradun, India
  GDSC-GEU   *July 2022 - Present*
  Conducted online and offline technical & soft-skills training impacting more than 1000 students.