

PERSONAL INFO



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LANGUAGES

ENGLISH

HINDI

EDUCATION

* BACHELOR OF TECHNOLOGY, COMPUTER SCIENCE ENGINEERING

Vel Tech Rangrajan Dr. Sagunthala
R&D Institute of Science and
Technology, Avadi, Chennai

2017 – 2021 9.1 CGPA (upto 6th
sem)

*INTERMEDIATE

St. Joseph's Public School,
Dalsinghsarai, Bihar

65.8% (2017)

*MATRICULATION

St. Karen's High School, Patna
9.4 CGPA (2014)

KEY SKILLS

PROFESSIONAL SKILLS

- Language: PYTHON, JAVA, C
- Database: MYSQL
- OS: LINUX, WINDOWS
- Web: HTML, PHP, JAVASCRIPT

AREA OF INTERESTS

MACHINE LEARNING
SAS PROGRAMMING
UI/UX, CONTENT WRITING
DEEP LEARNING
GRAPHIC DESIGNING
WEB DEVELOPMENT
INTERNET OF THINGS

RISHU RAJ

COMPUTER SCIENCE ENGINEER



PROFILE

A motivated self-driven fresher in the field of Computer Science major carrying leadership skills and enthusiasm to learn. I want to be associated with a dynamic and progressive organization that will allow me to utilize my abilities and qualifications in the pursuing field which can add value to the organization while providing me opportunities for growth.

INTERSHIPS

GRAPHIC DESIGNER INTERN

IDEADUNES (06/2020-12/2020)

- Worked on Adobe Illustrator and Adobe Photoshop. Gained experience in designing infographics and web banners.
- Gained experience in designing content and creativity skills improved.
- Worked on developing animation and video editing using Blender and Openshot Video Editor.

RESEARCH INTERN

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING,
KANCHEEPURAM (12/2019-02/2020)

- Worked on DST Funded Project, Govt. of India.
- Completed research on IoT, MQTT, Fault Diagnosis, Cloud Computing and Data Analytics
- Learned IoT Attack Classification and Detection,
- Applied Machine Learning on sensor data for prediction.

PROJECTS

- [Machine learning based Stereographic Image Stitching Algorithm using Nvidia Jetson Nano, \(01/2020-Present\)](#)
Based upon developing an algorithm which can find the height or depth of an object, using stereovision cameras in MATLAB, ROS and Python.
- [Social Distancing Checking System using Python. 04/2020-04/2020](#)
The aim of this project is to check whether the people at a place are following social distancing or not using Image Processing and Python through Web application.
- [Water Quality Monitoring using IoT and Data Analytics \(12/2019-02/2020\)](#)
The main objective of this project is to monitor the water nutrients with Machine Learning and Flask App as User Interface. Developed an algorithm for Fault Detection on DHT sensor using Python
- [UAV based Multiple Image Stitching and Monitoring Surveillance System using Machine Learning and performing Object recognition. \(07/2019-12/2019\)](#)
Algorithm developed for creating a 2D panoramic view using multiple 2D image. Used Linux samba share for creating distributed system
- [Forest Monitoring System using RFID and Object Detection. 01/2019-05/2019\)](#)
The aim of this project was to develop a kit which uses Solar powered cameras and RFID technology to detect the invasion of intruders inside forest areas and alarm the security officials.

CONFERENCES

- Attended [IEEE](#) International Carnahan Conference on Security Technology (ICCST 2019) at Anna University, in Chennai, India.
- Attended [IEEE](#) International Conference on Computational Intelligence and Computing Research at Thiagarajar College of Engineering, Madurai, India.

PERSONAL SKILLS

- INNOVATIVE
- COMMUNICATION
- PUNCTUALITY
- CREATIVE
- LEADERSHIP
- TEAM MANAGEMENT

PUBLICATIONS

- Published a research paper on “[Forest Monitoring System using RFID and TensorFlow Object Detection](#)” in IEEE (2019) ([Link](#))
- Published a research paper on “[Arduino based Auto Door Unlock Control System by Android mobile through Bluetooth and Wi-Fi](#)” in IEEE (2018). ([Link](#))

ACHIEVEMENTS

- Won 1st Prize in Project Expo 2019 at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai [📄](#)
- Participated in ‘GEXIN HACKATHON 2019’ conducted by Smartbridge and IBM’ on IOT and AI, at Vel Tech, Chennai.
- Won 2nd Prize at Hackathon’20 at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai

COURSES&CERTIFICATIONS

- Practical Machine Learning using Tensorflow by NPTEL under IIT Bombay and Google.
- CCNA by CISCO
- Introduction to IOT by CISCO
- SAS Programming by SAS on Coursera
- Graphic Design by University of Colorado Boulder by Coursera
- Advanced Data Science Capstone by IBM on Coursera
- Business English for Cross-Cultural Communication
- Python Certification by Hackerrank