

ROHIT KUMAR TEKRIWAL

System Engineer
Infosys Limited
Full Stack Developer

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EDUCATIONAL QUALIFICATIONS:

Year	Degree	Institution	CGPA/%
2016-2020	Bachelor of Technology	Veer Surendra Sai University of Technology,Burla	7.23/10
2016	XII(C.B.S.E. , Odisha)	Mothers Public School, Bhubaneswar,Odisha	90.8%
2014	X(I.C.S.E.)	Saint Mary's School, Jajpur Road,Odisha	90.67%

ACADEMIC ACHIEVEMENTS:

- Represented my college in **MakerFest, 2018** organised in Ahmedabad by Silicon Valley-based Venture Capitalist and founder of the Motwani Jadeja Foundation-Ms. Asha Jadeja.
- Honoured with **Mu Odisha Hero Samaan** by collector Of Sambalpur for VSLV .
- Represented my school in the Regional Competition of Young Talent Search in Computer Programming Contest in 2013 by Computer Society Of India.

INTERNSHIPS AND SUMMER TRAINING:-

➤ **Centre For Development of Advanced Computing(CDAC), Mumbai**

Jun'19-Jul'19

Mentor: Abhishek Gangwar, Joint Director, CDAC, Juhu, Mumbai

- Worked on different Machine Learning projects and trained algorithms to achieve desired accuracy.
- One of the projects-**VIDEO ANALYSIS** was to scan people's faces from the live projection of an IP camera and then run an algorithm to identify them based on the database provided to the system by creating a database and scanning data by separately scanning through the frames of images obtained from the camera.
- Another project-**AGE ESTIMATION** was to predict the ages of the people by initially training the system based on relevant data so that we can use it further to identify the teens from adults and hence use it further to restrict child pornography in our country.
- The third project-**FACE ANALYSIS** was to remove blurred, blocked and unclear images from a set using Machine Learning algorithm which is further to be implemented in sorting and removing application forms in competitive exams based on visibility of an image which was until now done manually and hence required a lot of manpower.

➤ **Vidharbha Industries Power Limited (VIPL), Nagpur**

May'18-Jun'18

Mentor: Ashesh Padhy , Director, VIPL, Nagpur

- Detailed description of the running of a power plant. Also learned about the different sensors and safety valves installed for the safety of the devices and machines used and the running of the plant through **PLAs (Programmable Logic Arrays)** and their monitoring through systems.
- Also did a project on wireless communication of data from the sensors to the systems nearby to be uploaded to the server so that it can be monitored from anywhere, applicable especially to the systems installed in remote areas where operation and maintenance can be difficult.

TECHNICAL SKILLS:

- JAVA, C, C++, HTML5, CSS, Javascript, Typescript, Angular, SQL, Maven, Spring Framework, Spring boot
- Spring-Data, Hibernate, Spring-REST, RESTful Web Services, Bootstrap
- **Software Packages:** MATLAB,VIVADO,VHDL
- **Apps:** Postman, Microsoft VSCode, Eclipse, STS, Jenkins, Teamcity
- **Platforms:** Windows, Linux
- **Certifications:** Microsoft Certified Azure Fundamental

ACADEMIC PROJECTS:

➤ **VSSUT Satellite Launch Vehicle(VSLV):**

Oct'17-Present

Mentor: Prof. Debadutta Mishra, Dept. of Production Engineering, VSSUT, Burla, India

- Honoured as India's first indigenously built student rocketry mission, registered in the **Limca Book Of Records** and **India Book Of Records**.
- Acknowledged and honoured by **ISRO (Indian Space Research Organisation)** and awarded a Prize at **Aerospace Expo** in **World Space Week**.
- We won the **Champions trophy** and the Best Innovation Award of the **Asia's 1st Intercollege Rocket Competition**, organized by **BRICS (Brazil, Russia, China, India, South Africa) & Space Development Nexus**.
- Aimed to launch a **cansat** over **Hirakud Dam** (world's longest dam) to measure siltation levels, by use of **image sensing and 3D mapping**. Can be further deployed for **mapping of flood regions and vegetation areas**.

➤ **Air Purity Monitoring System(ARIA) :**

Dec'17-Jan'18

- Built with an idea '**Breathe safer, Stay safer**', a **low cost air monitoring device** to **measure impurity levels in the surrounding atmosphere** to be established at houses, hospitals, and other public places.
- A really live saving device for the **sewers who work in closed drains**, and die due to high levels of methane and other poisonous gases, can be alarmed beforehand.
- This idea was socially recognised and also appreciated by **Padma Shri awardee Prof. Anil Kumar Gupta**. The prototype had been successfully tested.

➤ **Bluetooth Controlled Bot :**

Mar'18-Apr'18

- A totally wireless system consisting of a bot controlled by an app which controls the bot through a **bluetooth module**.
- The bot was enabled with **obstacle detection** capability using sensors so it can stop and change the path in case any object comes in its way.

➤ **Soil Moisture Testing Device:**

Apr'18-May'18

- To measure the soil moisture using sensor. The device is capable of automatically turning on the water in case the soil moisture turns low and also generates a warning in case the soil moisture is high. It basically ensures the supply of right amount of water for the growth of plants.

WORK EXPERIENCE:

➤ **Infosys Limited, Hyderabad**

Jan'21-present

- **High Performer(HPF)** in Infosys training program with 91.2%
- Full Stack Developer(**MEAN** stack) trained in latest Spring and Angular technologies with a solid understanding on JAVA
- Working with **Kroger** on a Java migration project.
- Enhancing the app, migrating applications from older technology to newer and fixing the bugs
- Worked on code cleanup, batch process testing, converting applications built in Ant technology to an enhanced Maven technology
- Familiar with CI/CD deployments and deployment of scripts on linux servers
- Have an understanding on **Kanban** and **agile** methodologies

POSITION OF RESPONSIBILITY:

- Acted as the head of management team of the Satellite Club(VSLV) and Idea Club.
- Organiser of **MakerFest Odisha, Industrial Conclave and TEDx VSSUT** in 2018 and 2019.
- Head coordinator and core member in **Samavesh 2017-19**.
- Coordinator and participant of a 2-day workshop conducted by **ISRO**.

EXTRA-CURRICULAR ACTIVITIES:

- Been a part of school cricket team.
- Participated in **the Republic Day Parade 2019, Bhubaneswar** with a **tabloid of VSLV**.