



SASHESH SINGH

Enrollment No.: 18100049

B.Tech – 2018 and 2022 Engineering

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EXPERIENCE

Co-founder **KIOGO- Online Ambulance Booking App** **Feb 2021 – Present**

- Developed an app for booking ambulance online for intercity transport.
- Created the website using the WordPress.
- The app has 300+ downloads on the playstore and have helped 100+ patients reaching nearby city hospital.
- Operating in whole Madhya Pradesh state and partnered the ambulance driver from all districts.

Backend Developer **Coshal Unfolding Artistry Private Limited** **Mar 2020-May 2020**

- Write custom HTML, CSS, and JavaScript for the website.
- Design, recommended and pitch improvements to new and existing features.
- Update and edit website content, posts, and pages.
- Provide technical support related to web-based systems to internal teams
- Test and give feedback on new and existing technologies.
- Create prototypes and experiment with new technologies and features.

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	IIIT Naya Raipur	7.66	2018-Present
Senior Secondary	CBSE	89.0%	2017
Secondary	CBSE	95.00%	2015

Technical Projects

- **Designing model for sign language recognition using deep learning**
 - Developed a Deep learning model for sign recognition.
 - Tested developed different algorithms having the highest accuracy.
 - Implemented the whole model in the android app.
 - It is able to recognize the static as well as dynamic gestures. *Python, CNN*
- **IoT based Plant Growth Monitoring System:**
 - Worked for predicting the plant growth of Spinach Plant using the captured image of the Plant.
 - Prototype was developed for the smartphone.
 - It captures the plant image in which the leaf length is analyzed for predicting the plant growth. | *Python, Flutter, Firebase.*
- **Indian Railway Enquiry System:**
 - Designed a fully responsive website using HTML, CSS, Bootstrap, JS and PHP.
 - It scraps the data from the data from the Indian Railway website (indainrailapi.com) through API.
 - Bootstrap is used for the UI design of the website and hosted over Apache. | *HTML, CSS, JS, PHP*
- **Tele-Operating Robotic With Virtual Reality:**
 - It has been developed using Computer Vision and Artificial Intelligence.
 - This was fully developed using the Rpi, Arduino and others.
 - A Car was developed using the Rpi which is controlled over the Internet with a VR motion camera attached | *Python, Rpi, Kotlin*
- **Body Posture Sensor using Piezoelectric Material:**

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- A Posture Sensor was developed and attached to the clothes with an alarming system.
 - The main purpose was for the Old aged Peoples who require to maintain a healthy posture.
 - The sensor is prepared by using slicing the graphite paper between the Aluminium tape. | *Rpi, Python.*
 - **Automatic Cold Storage:**
 - Our prototype senses the temperature and humidity inside the warehouse at every successive interval.
 - The data stored is sent to a cloud storage where we can monitor the data as and when required.
 - The smoke detector detects any gas and a warning message is send and an led placed on the warehouse starts blinking. | *Arduino, C++*

POSITIONS OF RESPONSIBILITY

- **Member of TnP Cell (Jun 2020 – April 2021):** Conscientiously working as Member of the training and Placement Cell at IIIT-Naya Raipur to bring new opportunities to the highly motivated and dedicated Young talent of IIIT-NR.
- **Member of National Service Scheme (July 2020 – June 2021):** helped in conduction of activities to orient the **student** youth to community service under the aegis of Ministry of Youth Affairs & Sports, Govt. of India.

ACHIEVEMENTS

- **Secured 5 star coder rank with a rating of Python on Hackerrank.**
- **Secured 5 star coder rank with a rating of C++ on Hackerrank.**
- **Secured 5 star coder rank with a rating of C on Hackerrank.**
- **Having 3 star rating on Codechef.**

TECHNICAL SKILLS

- **Tech Stack:** Python (NumPy, SciPy, Matplotlib, Pandas, Django, Flask, Scrapy), MATLAB, AWS, SQL, MySQL, PostgresSQL, Machine Learning, Deep Learning, Computer Vision, HTML, CSS, Java, C, C++.
- **Frameworks and Libraries:** Scipy, Scrappy, BeautifulSoup, LaTeX, Anaconda, PHPStorm, Xampp, Apache, Git, AWS, Vamp