

# Hemant Raj

COMPUTER SCIENCE STUDENT AT KIIT

✉ [rajhemant760@gmail.com](mailto:rajhemant760@gmail.com)

📞 7808472557

📍 Ranchi, Jharkhand, India

in [linkedin.com/in/hemant18](https://www.linkedin.com/in/hemant18)

🌐 <https://hemant19.me>

## SKILLS

- C
- C++
- Java
- Python
- Javascript
- SQL Plus
- MongoDB
- Rest API
- Kotlin
- HTML , CSS
- OpenCV
- App Development
- Web Development
- Computer Vision
- Machine Learning

## EXPERIENCE

### Web Developer Intern

**Suvidha Foundation** Jun 2022 - Jul 2022

- Participated in pre-project analysis and technical assessments to ensure creation of user-friendly interface.
- Worked extensively with engineering staff to better understand software solutions and their benefits to projects.
- Contributed to back-end experience and collaborated on APIs.

### Java Developer Intern

**Foxmula** Jun 2022 - Aug 2022

- Integrated multiple data sources and databases into one system.
- Polished code to maximize speed and scalability of programming projects.
- Organised IT meetings to discuss design and coding ideas with master engineers.
- Implemented data storage tools such as Hadoop, SQL and NoSQL databases.
- Enhanced code and storage libraries.

## PROJECTS

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### Recipe Search

- A website where u can search any food and get its ingredients and recipe using API. Technologies used: Html,css express,node,ejs etc.
- Link: <https://search-food-recipe.onrender.com>

### Banking System

- Technologies used: java,sqlplus.
- A system where users can login and deposit or withdraw money.
- Features designed: i) Login to existing account ii) Deposit money iii) Withdraw money iv) Users have two accounts- Savings and Debits.
- Link: <https://rb.gy/skgdf>

### Instagram Clone

- Languages: Java,Kotlin,parse.
- Features designed: i) User login or signup ii) Saves details including pics to database iii) uploading photos
- Link: <https://rb.gy/9vtqf>

### Electrical Energy Output

- Technologies used: machine learning,python,artificial neural network. Built an ANN regression model to predict the electrical energy output of a Combined Cycle Power Plant
- Dataset used: Combined Cycle Power Plant Dataset.

### Human Action Detection

- Technologies used: python,opencv,flask,computer vision, machine learning,neural networks.
- Build frontend using flask and backend using python.
- Upload a video and the model will classify the human action.
- The same video is provided as output with realtime action being written on the center of video

## EDUCATION

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### Senior Secondary

**Jawahar Vidya Mandir Shyamali** 2018 - 2020

Passed my 12th in Science Stream.

### Bachelor of Science in Computer Engineering

**Kalinga Institute of Industrial Technology** 2020 - Present

BTech: Computer Science

## CO-CURRICULAR

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**Public Relation** - Animal And Environmental Welfare Society KSAC , KIIT.