

# RAKSHIT AGRAWAL

WEB DEVELOPER  
DATA ANALYST



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## PROFILE

I'm an undergraduate with a passion for code and making things simple. I am currently a third-year student at the Kalinga Institute of Industrial Technology pursuing a degree in Computer Science. I look forward to channelizing my thoughts in expedient ways.

## SKILLS

- NodeJS
- ReactJS
- MongoDB
- JavaScript
- C/C++
- Python
- Machine Learning
- MERN-STACK

## PROJECTS

### AI ENABLED INVOICE MANAGEMENT SYSTEM

ReactJS - Java - MySQL - Machine Learning

- Dashboard to manage invoices with CRUD functionality
- Predict the dates for selected invoices
- Provide an analytical view based on different parameters
- Java servlets were used for backend and data management

### YELPCAMP

NodeJS - Express - MongoDB

- E-commerce website
- Clients can book camps and search for them by Geo-locations
- The client can rate and provide feedback to the camps
- Registered users can upload their camps

## EDUCATION

### ST. ANNE'S SRC. SCHOOL

CBSE Board - 85%

2018 - 2019

### KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

B.Tech. - 9.73 CGPA (3rd year)

2019 - 2023

### COMPARATIVE ANALYSIS OF DEEP NEURAL NETWORKS FOR IMAGE CLASSIFICATION

Machine Learning - Python - Image Processing - Classification

- Image classification using pre-defined transfer learning models
- Used proposed CNN Architectures for classifying images
- Compared models based on Accuracy, Precision, F1-Score, Training time, CPU usage

# EXTRA CURRICULUM

## Robotics

Organized by Patrika - 2017  
Won Gold Medal

## Umeed NGO

Volunteer - 2021  
Helped needy children

## Web Development Bootcamp

Udemy- 2021  
Learned MERN-STACK

## Problem Solving

Hackerrank- 2022  
Intermediate Problem Solver

# LINKS



[Rakshit Web](#)



[Rakshit Agrawal](#)



[Rakshit LeetCode](#)

# HOBBIES

- Try to code to ease my work
- Reading novels
- Solve riddles
- Cooking
- Explore new things

# RESEARCH WORK

## MACHINE LEARNING IN INDUSTRY 4.0

Book Chapter - Springer - 2021  
[DOI: 10.1007/978-981-33-6518-6\\_4](#)

- Transformation of the automation industry
- All types of learning methods
- Applications and real time use cases in the industry

## ARRHYTHMIA DETECTION USING DEEP BELIEF NETWORK EXTRACTED FEATURES FROM ECG SIGNALS

Journal Paper - IGI Global - 2021  
[DOI: 10.4018/IJEHMC.20211101.0a9](#)

- Early detection of arrhythmia using the hybrid model
- Proposed model for classification

## SURFACE CRACK DETECTION

[Conference Paper - 4th IEEE ICCPCT - 2021](#)

- Image classification using neural networks
- Self defined neural network architectures

## COMPARISON OF GARBAGE CLASSIFICATION FRAMEWORKS

Journal Paper - IGI - 2021

- Image classification using neural networks
- Self defined neural network architectures
- Compared proposed neural network with pre-defined transfer learning models

## DIAGNOSIS OF HEART STROKE

Conference Paper - 10th IEEE ICETET - 2022

- Using classification models including ANN models
- Used sequential machine learning models (XGBoost, LightGBM)