

# SAURABH RAWAT

Hyderabad, India

☎ +91-7895559140   ✉ Saurabhrawat1250@gmail.com   🔗 LinkedIn   🏆 LeetCode   🏆 Codeforces

## EDUCATION

**International Institute of Information Technology, Hyderabad**

*M.Tech - Computer Science Engineering*

**Jul 2024 – Ongoing**

*Hyderabad, India*

**National Institute of Technology, Uttarakhand**

*B.Tech - Electronics and Communication Engineering CGPA - 8.69*

**Aug 2017 – May 2021**

*Uttarakhand, India*

## WORK EXPERIENCE

**ZS Associates**

*Decision Analytics Associate*

**Jun 2021 – Mar 2022**

*Gurugram, India*

- Led Market Research projects and **Conjoint Studies** providing valuable insights to guide clients in pricing strategies, product development, and marketing activities.
- Designed and developed a custom **Simulator**, which enabled clients and ZS teams to predict and simulate market scenarios for upcoming products, facilitating strategic planning and decision support.
- Collaborated closely with clients to understand their business challenges and provided strategic recommendations based on data-driven insights to drive business growth and operational improvements.

**CETPA Infotech Pvt. Ltd**

*Traineeship*

**May 2019 – Jun 2019**

*Noida, India*

- Worked on basic to advanced Python Libraries for Machine Learning and implemented Medical Chat Bot capable of providing users with the contact information of relevant doctors based on their symptoms.
- Implemented a Home Automation System using Raspberry Pi 3B+ which allowed remote control access of Home appliances via a mobile application.

## PROJECTS

**Copy Move Forgery Detection 🔗 | PCA-DCT, Python**

**Mar 2020 – Apr 2020**

- Developed a Copy-Move Forgery Detection system utilizing Principal Component Analysis (PCA) and Discrete Cosine Transform (DCT) which can detect when parts of an image have been copied and pasted into the same image.
- Identified duplicated regions in digital images by extracting key features and reducing dimensionality using PCA and applied DCT to detect and analyze potential forgeries.

**Medical Chat Bot 🔗 | Decision Tree, Python**

**May 2019 – Jun 2019**

- Developed a healthcare domain chatbot to simulate the predictions of a general physician and recommend suitable doctors based on user-entered symptoms.
- Implemented decision tree algorithms for symptom analysis and doctor recommendation.

## CERTIFICATIONS

- Introduction to Data Science in Python - Coursera 🔗
- Algorithmic Toolbox - Coursera 🔗

## COURSEWORK / SKILLS

- |                                |                     |                                     |                  |
|--------------------------------|---------------------|-------------------------------------|------------------|
| • Data Structures & Algorithms | • Operating Systems | • Database Management System (DBMS) | • Linear Algebra |
|                                | • Computer Networks |                                     | • OOPS Concept   |

## ACHIEVEMENTS

- ECE GATE 2021 - Achieved a percentile of 98.8 among about 85,000 students who appeared for the exam.
- CSE GATE 2024 - Achieved a percentile of 98.7 among about 1,25,000 students who appeared for the exam.
- PGEE 2024 - Achieved an AIR of 87, securing admission to the prestigious Masters program at the International Institute of Information Technology, Hyderabad.