



## Saurabh Gupta

Roll No.: CS20B1056

Bachelor of Technology (4 Years)

Computer Science and Engineering

Indian Institute of Information Technology Kancheepuram

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🔗 GitHub Profile

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## TECHNICAL PROJECTS

- **Tic Tac Toe Game (AI) - Web App (Artificial Intelligence, Web Development (React App)):**  
-Tic-Tac-Toe Game (Web Application) made using React Js with a special Human vs Computer Mode - implemented using one of the AI Methods (Mini-Max Algorithm with Alpha-Beta Pruning)  
**Tools & Technologies :** HTML, CSS, Javascript, React Js, Mini-Max Algorithm with Alpha-Beta Pruning
- **Digit Recognizer Web App for Custom Handwritten Digit Images (Web Development, Digital Image Processing & Deep Learning) :**  
-Full Stack Web Application to recognise handwritten-digit images using various Image Processing Techniques and a Deep Learning Model (Convolutional Neural Network (CNN)) with an accuracy of around 99%.  
**Tools & Technologies :** OpenCV, HTML, CSS, Javascript, React JS, Django, Python - tensorflow & keras
- **Cancer Prediction Model (Data Science, Machine Learning) :**  
-Data Science and Machine Learning Project to create a Cancer Prediction Model for the given Cancer dataset using various Machine Learning Algorithms  
-Implementend Naive Bayes, KNN, Decision Tree, Random Forest Classifier & K-Means Clustering.  
**Tools & Technologies :** numpy, pandas, matplotlib, seaborn, scikit-learn (sklearn)

## ACHIEVEMENTS

### Codechef Profile

- 4 Star Competitive Coder at Codechef - secured 180th Rank in Exun 2021-22 Division 2 Jan 2022
- Secured 3rd Rank in College Coding Competition (Codetrix 1) in Oct '21 at IIIT Kancheepuram Oct 2021
- Class X School Topper (2nd Rank in School) with 100% marks in Computer Applications May 2017

## TECHNICAL SKILLS AND INTERESTS

**Languages :** C, C++, Python, Java, Javascript, Golang, SQL

**Developer Tools :** Git, Github (Github.io), AWS, Figma

**Frameworks :** Django, React JS, Node JS, OpenCV, numpy, pandas, matplotlib, seaborn, scikit-learn, tensorflow

**Coursework :** Data Structures and Algorithms, Object Oriented Programming, Database Management Systems, Computer Networks, Interaction Design (UI/UX), Artificial Intelligence, Data Science, Digital Image Processing, Pattern Recognition, IIOT and Cloud Computing

**Areas of Interest :** Competitive Programming, Software Development and Testing, Web Development, Data Science, Machine Learning

**Soft Skills :** Quick Learner, Strong Communication Skills, Time Management, Leadership , Public Speaking, Event Management, Planning and Task Management, Team Management, Creative Writing

## EDUCATION

- **Indian Institute of Information Technology, Design & Manufacturing, Kancheepuram** CGPA: 8.29/10  
*Bachelor of Technology in Computer Science and Engineering* 2020-Present

## POSITIONS OF RESPONSIBILITY

- **Head Boy,** School Cabinet in Class XII 2018-19
- **Deputy Head Boy,** School Cabinet in Class XI 2017-18

Conducted numerous assemblies and organized various important events at School - lead the College Cabinet in all important events and activities