



# Rohan Dobarkar

Roll No.:244101040  
M.Tech - Computer Science and Engineering  
Indian Institute Of Technology, Guwahati

+91-7208673694  
rohandobarkar1@gmail.com  
r.dobarkar@iitg.ac.in  
linkedin.com/in/rohan-dobarkar

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech.	Indian Institute of Technology, Guwahati	7.44 (Current)	2024-Present
B.E. Computer Engg.	University of Mumbai	8.52	2020-2024
Senior Secondary	CBSE Board (DAV International School, Kharghar)	91.6%	2020
Secondary	CBSE Board (DAV International School, Kharghar)	90.6%	2018

## EXPERIENCE

- Nuclear Power Corporation of India** Dec. 2022 - Jan. 2023  
*Information Technology Intern* Mumbai
  - Executed deployment in **Zabbix** for network monitoring using **Apache, MySQL, SNMPv3**.
  - Configured Zabbix for 30+ devices for **data collection**, analysis, mapping and **demonstrated it**.
  - Optimised **Nextcloud** storage by exploring, **identifying vulnerabilities** and **implementing improvements**.
- Department of CSE, IIT Guwahati** Aug. 2024 - May. 2025  
*Teaching Assistant* Guwahati, Assam
  - CS 101/110: **C Programming**/Computing Lab, CS 205M: Theroretical Foundation of Computer Science

## PROJECTS

- AI-Based Secure Access System | Course Project** Jan. 2025 - May. 2025  
*Dr.Debanga Raj Neog, Dept. of Data Science and Artificial Intelligence , IITG* Project Reports
  - Developed a **real-time access system** for restricted high-security zones using **face and ID verification**.
  - Used **YOLOv5** for real-time detection and alignment of ID cards from **live video feed**.
  - Applied **OCR** to extract roll numbers and **FaceNet** to compare live faces with ID card photos.
  - Integrated **Arduino** to control door lock, enabling **dual-factor authentication** and preventing impersonation.
- 360 Apartments Explorer | B.E. Project** 2023 - 2024  
*Dr. Rizwana Shaikh, Dept. of Computer Engineering, SIES GST* Project Reports
  - Built a **full-stack property listing webapp** with **360° virtual apartment tours** for better property exploration.
  - Implemented server-side rendering (SSR) and **CRUD operations** for improved SEO and performance.
  - Tech Stack: **React, Next.js, MongoDB**, optimizing API calls and reducing page load time by **30%**.
- Speech-Based File Management System | Course Project** Jul. 2024 - Nov. 2024  
*Dr. Pradip K. Das, Dept. of CSE, IIT Guwahati*
  - Designed **Speech-controlled file management system** using Hidden Markov Model (HMM)
  - Implemented **speech processing modules** including Levinson-Durbin algorithm, codebook generation.
  - Enabled voice-based **file creation, deletion, and folder management** with high accuracy.

## PUBLICATIONS

- 360 Apartment Explorer: Navigating Virtual Tours in Real Estate Websites for Enhanced Apartment Search and Decision-Making.** AIIoT 2024(IEEE)

## TECHNICAL SKILLS

- Programming:** Python, C++
- Web Technologies:** HTML, CSS, JavaScript, React.js, Next.js, MongoDB, MySQL
- Miscellaneous:** Figma, Postman, Git, DevOps\*, AWS\*, Excel, PowerBI, System Design
- Operating Systems:** Windows, Linux, MacOS \* Elementary proficiency

## POSITIONS OF RESPONSIBILITY

- Public Relations Head**, SIES Graduate School of Technology, Mumbai 2022 - 2024
  - Led outreach for **technical events**, workshops, and cultural fests; boosted participation by 30%.

## ACHIEVEMENTS

- GATE CS**, Secured AIR **349** in final year among **1,52,652** candidates 2024
- GATE DA**, Secured AIR **998** in final year among **52,493** candidates 2024
- NPTEL**, Achieved **Top 1%** rank in the course Introduction to IoT conducted by **IIT Kharagpur** 2025
- DSA**, Solved **500+** problems across various platforms, demonstrating strong **problem-solving** skills 2025