



**Uday Gohil**  
**Electrical Engineering**  
**Indian Institute of Technology Bombay**

**20D070030**  
**Dual Degree (B.Tech. + M.Tech.)**  
**Gender: Male**  
**DOB: 2/10/2003**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2025	

Pursuing Minor in **Computer Science & Engineering**

## SCHOLASTIC ACHIEVEMENTS

- Secured **99.66%** percentile in **JEE Main** among 1.1 million candidates (2020)
- Secured **99.71%** percentile in **GUJ-CET** among 125 thousand candidates (2020)
- Achieved **7th rank** with a percentile of **99.93%** in **SSC Gujarat Board** (2018)
- Scored **99.75%** percentile in Science Theory in **HSC Gujarat Board** (2020)

## EXPERIENCE

### Buddingo | Front-end Web Developer

(Summer 2022)

- Developed user interfaces with Angular JS, Bootstrap, HTML5, and CSS3, which improved user satisfaction
- Explored multiple threading, concurrency, design patterns, and their impacts on application concurrency
- Designed and developed dynamic web pages with the help of Angular JS

### Digiplus | Math Subject Expert

(Winter 2021)

- Prepared handwritten solutions for Basic JEE mathematics questions and also typeset using  $\text{\LaTeX}$

## KEY PROJECTS

### Jarvis

(Summer 2021)

*Institute Technical Summer Project (ITSP)*

(Institute Technical Council, IIT Bombay)

- Developed a bot using **Arduino IDE**, having manual **control** through our Jarvis Mobile App
- Equipped bot with an **HC-SR04 ultrasonic distance sensor** to **detect an object** in the forward direction
- Future plans include making the bot completely autonomous by Machine Learning design models and AI

### Sudoku Solver

(Spring 2022)

*Self-project*

(Data Structures and Algorithms)

- Developed a **9x9 Sudoku solver** from scratch in **C++** using **backtracking and recursion**
- Program reads input either **from a user** or **from a file** containing the sudoku values and solves the puzzle

## KEY COURSES UNDERTAKEN

<b>Electrical</b>	Signal Processing, Digital Systems and lab, Microprocessors and lab, Control Systems
<b>Computer Science</b>	Automata theory, Computer Programming and Utilization
<b>Basic Science</b>	Basics of Electricity Magnetism, Linear algebra, Calculus, Complex Numbers

## TECHNICAL SKILLS

<b>Languages(Proficient)</b>	C++, HTML, CSS, Javascript, $\text{\LaTeX}$
<b>Languages(Novice)</b>	Python, Java
<b>Frameworks &amp; Libraries</b>	Angular JS, Bootstrap, NumPy, pandas
<b>Software</b>	Git, MATLAB, Ngspice, Quartus, GNU Radio, keil $\mu$ vision, AutoCAD, Atmel Flip
<b>Hardware</b>	Arduino, VHDL, 8086 Assembly, Pt-51, Krypton

## POSITIONS OF RESPONSIBILITY

### Marketing Coordinator | Entrepreneurship Cell, IIT Bombay

(2021)

*Asia's Largest Entrepreneurship promoting student body recognised by NEN, Patronage from UNESCO*

- Explored strategic associations with high-ranking corporates in the sector assigned
- Successfully handled over **20+ associates professionals** coming to IIT BOMBAY for E-cell events
- Maintained databases of over **100+ companies** in different sectors and acted as the point of contact(POC)
- Approached **30+ companies** over **70+ emails** and contacted **100+ professionals** for sponsorship
- Ideated multiple publicity campaigns to increase the reach of **Eureka, Asia's largest B-model competition**

### Event Coordinator | Techfest | IIT Bombay

(2021)

*Asia's largest science and technological festival with an annual footfall of 175,000+ from colleges all over India*

- Promoted betterment of Differently Abled individuals through **100+ awareness sessions** by associating with **15+ prominent international NGOs** to provide them jobs under the initiative **SAKSHAM**

## EXTRACURRICULARS

<b>Social Volunteer</b>	<ul style="list-style-type: none"><li>Completed <b>80+ hours</b> of volunteering service in the <b>Green Campus Department of National Service Scheme (NSS)</b>, IIT Bombay</li></ul>
<b>Hobbies and Interests</b>	<ul style="list-style-type: none"><li>Competitive Programming</li><li>Solved <b>100+ questions on InterviewBit</b> and <b>70+ questions on Coding Ninjas</b> on DSA</li><li>Fascinated in Stock market and attended multiple seminars on <b>Wealth creation by Stock Market</b></li><li>Engaged in listening to audiobooks and have listened to <b>30+ audiobooks</b></li><li>Learning guitar(Intermediate)</li></ul>