



# JALAJ GUPTA

M.Tech

Computer Science and Engineering

Indian Institute Of Information Technology, Guwahati

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GitHub

LinkedIn

## EDUCATION

### • Indian Institute of Information Technology, Guwahati

2025 – 2027

*M.Tech / Computer Science and Engineering*

### • Sri Aurobindo Institute of Technology, Indore

2020 – 2024

*B.Tech / Computer Science and Engineering*

### • M.G.M Day Boarding School, Morena

2019 – 2020

*Higher Secondary (MP Board)*

## PERSONAL PROJECTS

### • Sarthi

2025

*Campus web platform for IIIT Guwahati students*

- Designed and developed a responsive **Single Page Application (SPA)** using **React.js (Vite)**.
- Implemented **role-based access** for students, faculty, and staff using **Google OAuth**.
- Integrated **real-time chat and notifications** using **Socket.IO**.
- Consumed REST APIs using **Axios** and managed frontend state efficiently.
- Containerized and deployed the application using **Docker** and **Render**.
- **Tech Stack:** React.js, JavaScript (ES6+), HTML, CSS, Axios, Socket.IO, Node.js, MongoDB, Docker

### • Buddy – The Exam Portal

2024

*Full-stack online examination system*

- Developed a full-stack exam portal using **Angular** for frontend and **Spring Boot** for backend.
- Built modular UI using Angular components, services, routing, and HTTP client.
- Implemented secure REST APIs using **Spring MVC**, **Spring Data JPA**, and **Spring Security**.
- Integrated **MySQL** database with ORM support using JPA.
- Implemented authentication and role-based access control.
- **Tech Stack:** Angular, Spring Boot, Java, MySQL

### • AI Personal Virtual Voice Assistant

2023

*AI-powered voice-enabled desktop assistant*

- Developed an **AI-based personal virtual voice assistant** using **Python** to perform tasks through voice commands.
- Implemented **speech recognition** and AI-based intent handling to understand and process user queries.
- Integrated **text-to-speech** for natural voice responses and interactive user experience.
- Enabled multitasking features such as application control, information retrieval, and basic automation.
- **Tech Stack:** Python, AI Logic, Speech Recognition, Text-to-Speech, APIs

### • Chat Application

2023

*Real-time mobile chat application*

- Built a real-time chat application using **Kotlin** and **Firebase**.
- Implemented user authentication using **Firebase Authentication**.
- Designed responsive mobile UI using **XML** and **Kotlin**.
- Enabled real-time message synchronization using Firebase Realtime Database.
- **Tech Stack:** Kotlin, Java, XML, Firebase

## TECHNICAL SKILLS AND INTERESTS

**Languages:** C, Java, Python, JavaScript, Kotlin, React

**Frontend:** React.js, Angular, HTML5, CSS3

**Backend:** Node.js, Spring Boot, REST APIs

**Databases:** MongoDB, MySQL, Firebase

**Frameworks:** React Native, Tailwind CSS

**Tools & Platforms:** Git, GitHub, Docker, Android Studio, Firebase, Supabase

**Areas of Interest:** Frontend Engineering, Full-Stack Development, Cloud Applications

## EXPERIENCE

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### • Advance Computer Networks

*Web Developer Intern*

*Jun 2023 – Aug 2023*

Indore

- Developed responsive web pages using HTML, CSS, and JavaScript.
- Worked on frontend integration and bug fixes for client applications.

### • Bharat Intern

*App Developer Intern*

*Jul 2023 – Oct 2023*

Remote

- Developed Android applications using Java/Kotlin.
- Integrated Firebase services for authentication and database management.

## POSITIONS OF RESPONSIBILITY

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### • Placement Coordinator, Placement Working Committee, IIIT Guwahati

*2026 – Present*

### • Placement Coordinator, Placement Working Committee, SAIT Indore

*2023 – 2024*

## ACHIEVEMENTS & CERTIFICATIONS

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### • Android App Development Internshala

*2023*

### • Blockchain Developer Training SkillUp & FITT-IIT Delhi

*2024*