

# Karishma Rahaman

[github.com/kar-ish-ma](https://github.com/kar-ish-ma)

Tech enthusiast passionate about problem-solving and uncovering the unknowns of technology.  
Committed, curious, and driven by the pursuit of perfection.

## Education

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**Bachelor of Technology (B.Tech)**  
*Vellore Institute of Technology, India*

2023 – 2027  
CGPA: 8.76

## Skills

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- **Frontend:** HTML, CSS, JavaScript, React
- **Backend:** Node.js, Express
- **Databases:** MongoDB, PostgreSQL
- **Languages:** Python, Java, C, C++
- **Other:** MERN Stack, REST APIs, Flutter
- **AI/ML:** Basic ML models, YOLOv8, Tesseract OCR, AI model training
- **Core CS:** Data Structures and Algorithms (Java)

## Projects

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- **SaaS Code Editor** — Developed a real-time collaborative code editor with user authentication and syntax highlighting.  
*Tech Stack: React.js, Node.js, Express, WebSockets, Firebase*
- **Previous Years' Question Paper Website** — Created a platform for students to upload and access past question papers with Google Sign-In.  
*Tech Stack: HTML, CSS, JavaScript, Firebase Auth*
- **Waste Detection Website** — Built a web platform using pretrained YOLOv8 to detect and classify waste.  
*Tech Stack: Python, YOLOv8, HTML/CSS*
- **Medicine Prescription Web App** — Reads prescriptions to assist pharmacists in medicine ordering.  
*Tech Stack: JavaScript, HTML, CSS, OCR*
- **NightSlip Flutter App** — Built for IEEE VIT to manage student night-out slips and approvals.  
*Tech Stack: Flutter, Firebase*
- **CorsanePal Adventure Platform (In Progress)** — Developing CorsanePalAdventure.com, a travel and adventure planning platform.

## Experience

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**Developer — IEEE VIT Chapter**

2024 – Present

- Built internal tools, including a night-out slip management app
- Played a key role in recruitment for the R&D domain
- Published a blog on predictive text via IEEE CS on Medium
- Drafting a research paper on technology and innovation
- Contributed to event planning, logistics, and app development

**Frontend Intern — Ansyssoft Technologies**

Summer 2024

- Worked on four live client projects across diverse domains, focusing on responsive frontend development
- Contributed to production websites: CorsanePal Adventure, Stay Banaras, and La Exotic

- Led frontend development from scratch for a project with Narula Infrastructure (yet to be deployed)
- Collaborated with cross-functional teams to ensure design consistency and performance optimization

**Organizing Team Member — Yantra Central Hack**

2024

- Organized VIT's largest hackathon with wide student participation
- Managed logistics, team coordination, and backend operations

**Leadership & Extracurriculars**

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**AI/ML Workshop Organizer — Auxilium Convent School, Barasat**

- Conducted an AI/ML workshop for 500+ students to introduce foundational concepts through live demos
- Designed and delivered beginner-friendly content to inspire early engagement in tech

**Vice President — Art Club, Auxilium Convent School**

- Led creative initiatives and collaborated on the annual school magazine design
- Played a key role in organizing Auxi-Aura, the school's annual fest