

# ANANYA FULGAONKAR

## ECS ENGINEERING STUDENT

Mumbai, India | [ananyafulgaonkar2004@gmail.com](mailto:ananyafulgaonkar2004@gmail.com) | +91 8554873006 | [ananyafulgaonkar](#)

Innovative and interdisciplinary engineer-in-training with a strong foundation in electronics, embedded systems, and front-end development. Skilled in designing and developing hardware-integrated applications, with a keen interest in leveraging technology for real-world problem-solving. Passionate about bridging hardware with user-centric digital interfaces and exploring the potential of AR/VR in electronics systems.

## EDUCATION

### B.Tech (Hons.), Electronics And Computer Science With Honors In ARVR

Shah & Anchor Kutchhi Engineering College

CGPA: 9.07/10

### Senior Secondary (XII), Maharashtra State Board Of Secondary And Higher Secondary Education

Science

R.C.F Secondary And Higher Secondary School, Kurul

Percentage: 65.33%

### Secondary (X), CBSE

Jindal Vidya Mandir, Salav

Percentage: 94.00%

## WORK EXPERIENCE

### HumbleWalking - International Education Consultants

Jun 2025 - July 2025

*Internship - Graphics Design*

Crafting creative and informative social media content to promote study-abroad opportunities. Focused on design, engagement, and brand-aligned storytelling.

## PROJECTS

### Water ATM | Jun 2025 - Present

- Working on developing a RFID based Water Dispensing Technology.

### FAiMN- Firefighters' Assistant IoT based Monitoring Network | Feb 2025 – Present

- Currently researching and developing a wearable safety system for firefighters.
- Exploring integration of sensors and LoRa based communication system using ESP32-based prototyping.
- Focused on enhancing safety through real-time monitoring and alert mechanisms.

### Line-Following Bot | April 2025

- Built using IR sensors, Arduino Uno, and L298N motor driver for autonomous path navigation.

### e-Yantra Robotics Competition

- Cleared Level 1 using simulation and logic implementation with CoppeliaSim and Python APIs.

### E Kooda Website | Dec 2024

- Co-developed UI and front-end for a web platform promoting e-waste collection and recycling.

### Behance

### Southern Delights | Jul 2024 – Oct 2024

- Designed and implemented an automated e-billing and order placement system for a restaurant.

### Behance

### **Virtual Mouse with Eye Recognition | Jan 2024 – April 2024**

- Built a hands-free mouse using Python and OpenCV to control cursor via eye movements.
- Used computer vision for real-time eye tracking and basic gesture-based clicking.
- Aimed at improving accessibility for users with motor impairments.

### **Emergency Vehicle Clearance System | July 2023 – Nov 2023**

- Developed a smart traffic signal override system using active RFID and Arduino Uno to prioritize emergency vehicles.
- Designed logic to detect tagged vehicles and dynamically switch signals to reduce response time.
- Simulated and validated the system in Proteus to ensure real-time functionality and safety.

### **Pre-Stampede Detector | Nov 2022 – Jun 2023**

- Designed a crowd density monitoring system using Piezoelectric Sensors and Arduino Uno.
- Presented at college's SIP (Student Induction Program).

## **SKILLS**

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### **Electronics & IoT:**

Arduino • ESP32 • Embedded C • C • Python • PCB Design • Sensor Integration • LoRa • Firebase • Cloud (GCP) • App Dev (MIT App Inventor)

### **Design & Development:**

HTML • CSS • JavaScript • Bootstrap • UI/UX (Figma, Wireframing, Prototyping) • Graphic Design (Canva, Illustrator) • AutoCAD • Unity • Software Testing • Selenium

### **Tools & Soft Skills:**

Proteus • MATLAB • Tinkercad • MS Office • Notion • Google Slides • Communication • Leadership • Teamwork • Creativity

## **CERTIFICATIONS & TRAININGS**

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- **The Joy Of Computing With Python** – NPTEL
- **Software Testing** – NPTEL
- **Web Development** – Internshala
- **Introduction to Front-End Development** – Meta, Coursera
- **Internship & Job Preparation** – Internshala
- **Programming with JavaScript** – Meta, Coursera
- **Idea to Product Development** – SAKEC AICTE IDEA LAB

## **EXTRA-CURRICULARS**

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- Student Council 2025-26 : Creativity Secretary
- Smart India Hackathon (2023, 2024): Team participant
- e-Yantra Robotics: Cleared Level 1 (Simulation & bot logic)
- Graphics Head – IIC SAKEC 7.0
- Design Team – TEDxSAKEC 2025
- Student Coordinator – Aavishkar 2024-25
- Former Creativity Head – Kalavrunda Art Club
- Personal Art Portfolio: [@creative.2918](https://www.instagram.com/@creative.2918)