

Aryan Gupta

Indian | gupta.raj.aryan.2005@gmail.com | +91 8602049595 | LinkedIn: [Aryan Gupta](#) | GitHub: [Aryan27-max](#) | Portfolio- [Aryan Gupta](#) | X - [@Aryan](#)

EDUCATION

SRM IST

B.tech CSE sp.AI&ML

- Concentrations: Intelligence computer learning & core concepts
- GPA: 9.2/10
- Related Coursework: Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Transform Value problems, more .

Kattankulathur, Tamil Nadu
Expected Graduation, May 2028

EXPERIENCE

SRM IST

Research Assistant

Kattankulathur, Tamil Nadu
April 2025 – Present

- Sole developer and primary contributor for a thermal-AI ADAS research project, training YOLOv8 models on the ITDAV Indian thermal dataset using NVIDIA A100 GPUs and optimizing pipelines for edge deployment.
- Conducted end-to-end research documentation and paper drafting, including comparative analysis of thermal imaging, camera-only, and LiDAR-based ADAS systems (Tesla, prior literature), with industry interest from Mahindra & Mahindra.
- Collaborated with Prof. Po-Ming Lee (Southern Taiwan University) and Dr. K. Arathi (SRM IST) on fine-tuning thermal vision models and compressing AI pipelines for efficient edge-computing integration.

Freelance Engagement

MERN FullStack developer

Chennai, Tamil Nadu
Aug 2025 – Nov 2025

- Built and deployed a **scalable full-stack web application** using **MongoDB, Express.js, React.js, Node.js (MERN)**, **Next.js**, and **Three.js**, delivering a production-ready client portfolio.
- Rapidly learned and implemented **new frameworks and 3D web technologies**, applying **performance optimization, modular architecture, and responsive design** within a 3-month delivery timeline.
- Managed the **complete software development lifecycle (SDLC)** including **requirements gathering, frontend/backend development, testing, deployment, and client iteration**.

PROJECTS

FullStack portfolios ([Portfolio](#))

Lead Developer

Chennai, Tamil Nadu
Aug 2025 – Nov 2025

- Designed and developed a scalable personal portfolio using **Next.js, React, and Three.js**, showcasing projects, skills, and interactive UI components.
- 结合
- Implemented modern frontend architecture with **performance optimization, responsive design, and modular components**, deployed via GitHub for continuous iteration.

[False Alert – Where tech meets Safety](#)

Chennai, Tamil Nadu

Lead Developer

Aug 2025 – Nov 2025

- Developed an **IoT-enabled fire hazard detection system** leveraging **IR sensors and thermal data** to identify early-stage fire risks through real-time monitoring and software-driven analysis.
- Designed the **sensor-software integration pipeline**, focusing on reliable data acquisition, alert generation, and scalable system architecture for safety-critical environments.

ACTIVITIES, CONTRIBUTIONS AND LEADERSHIP

Microsoft Student Ambassadors

FullStack Devloper

SRM KTR, Kattankulathur, Tamil Nadu
Oct 2025 – Present

- Contributed to the **development and maintenance of the official Microsoft Student Ambassadors (MSA) website**, focusing on frontend and full-stack features.
- Supported **technical event planning and execution**, collaborating with team members to manage logistics, coordination, and participant engagement.

Active Open source Contributor

FullStack Devloper

Chennai, Tamil Nadu
Dec 2024 – Present

- Active open-source contributor and applicant to **GSoC 2025, GirlScript Summer of Code**, and **Hacktoberfest**, contributing to code, documentation, and issue resolution across community-driven projects.
- Contributed to and maintained **open learning repositories** (e.g., *OmniStack My Dev Journey*), and explored projects like **DocsGPT** and **AOSSIE (EduAid, Resonate)** to support collaborative development and knowledge sharing.

Tech Clubs (Codenex, Cherry+ Network, Coding Ninjas, NextGenAI)

FullStack Devloper

SRM KTR, Kattankulathur, Tamil Nadu
Oct 2025 – Present

- Actively participated in **technical clubs and developer communities**, contributing to **web development, full-stack projects, and collaborative coding initiatives**.
- Supported **technical workshops, hackathons, and events**, working with cross-functional teams on planning, execution, and participant engagement.

SKILLS

Programming: Java, C++, C, Python, MERN stack, Javascript, Typescript, Tailwind CSS, HTML 5

Tools: Jupyter Notebooks, YOLO V8, Tensor flow / Lite, Git, Postman, Mongo DB, Intellig, Vercel, AWS, Google Cloud, Rasberry, Arduino, Google Coral