

Aryan Gupta

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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
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EXPERIENCE

SRM IST Research Assistant → 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. Arthi (SRM IST) on fine-tuning thermal vision models and compressing AI pipelines for efficient edge-computing integration.	Kattankulathur, Tamil Nadu April 2025 – Present
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Freelance Engagement Mern FullStack developer → 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 .	Chennai, Tamil Nadu Aug 2025 – Nov 2025
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PROJECTS

FullStack portfolios (Portfolio) Lead Developer → 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.	Chennai, Tamil Nadu Aug 2025 – Nov 2025
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False Alert – Where tech meets Safety Lead Developer → 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.	Chennai, Tamil Nadu Aug 2025 – Nov 2025
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ACTIVITIES, CONTRIBUTIONS AND LEADERSHIP

Microsoft Student Ambassadors FullStack Developer → 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.	SRM KTR, Kattankulathur, Tamil Nadu Oct 2025 – Present
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Active Open source Contributor FullStack Developer → 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., <i>OmniStack My Dev Journey</i>), and explored projects like DocsGPT and AOSSIE (EduAid, Resonate) to support collaborative development and knowledge sharing.	Chennai, Tamil Nadu Dec 2024 – Present
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Tech Clubs (Codenex, Cherry+ Network, Coding Ninjas, NextGenAI) FullStack Developer → 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.	SRM KTR, Kattankulathur, Tamil Nadu Oct 2025 – Present
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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