

KATHIRAVAN A

Full Stack Developer | [LinkedIn](#) | [GitHub](#)

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PROFESSIONAL SUMMARY

Innovative Full Stack Developer with specialized knowledge in AI and Machine Learning technologies. Adept at leveraging Python, Django, and modern front-end frameworks to create efficient, scalable web applications. Demonstrated excellence in competitive environments through award-winning hackathon solutions. Passionate about developing cutting-edge applications that solve real-world problems while continuously expanding technical expertise to stay at the forefront of industry advancements.

TECHNICAL PROFICIENCIES

- **Languages:** Python, JavaScript, HTML5, CSS3
- **Frameworks & Libraries:** Django, Bootstrap, jQuery
- **Development Tools:** Git, GitHub, VS Code, RESTful APIs
- **Core Technologies:** Machine Learning, Full Stack Development, Responsive Design

KEY PROJECTS

AI Smart Traffic & Drowsiness Detection System

AEC International Hackathon 2025

- Engineered a real-time traffic monitoring system with driver drowsiness detection using Python and OpenCV
- Implemented machine learning algorithms to analyze driver behavior patterns and detect fatigue indicators

Learning Through Virtual Reality

Virtual Reality Education Platform

- Architected an immersive VR educational application enhancing traditional learning experiences
- Designed interactive 3D environments enabling students to visualize complex academic concepts
- Created intuitive user interfaces to maximize engagement and knowledge retention

EDUCATION

Manakula Vinayagar Institute Of Technology, Pondicherry

Bachelor of Technology in Information Technology | 2023 - 2027

- CGPA: 8.3/10.0
- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Software Engineering
- Active member of campus coding initiatives and technology innovation.