

Raghav Vadavadagi

raghav.vadavadagi10@gmail.com · +91 8792991866 · +352 661909510
Residence la Luxembourgeoise, 10 Rue Pir Kremer, 4409 Belval, Luxembourg
Nationality: Indian · Date of Birth: 02/02/1997

Summary

AI enthusiast with a strong software engineering background and growing expertise in machine learning, deep learning, and data-driven systems. Currently pursuing a Master's in Information and Computer Science with coursework and projects focused on neural networks, computer vision, and intelligent systems. Passionate about building scalable AI solutions that bridge theory with real-world applications.

Education

University of Luxembourg | *Sep 2024 – Present*
Master's in Information and Computer Science

National Institute of Engineering, Mysore, India | *Aug 2015 – Jun 2019*
B.E. in Computer Science Engineering

Final Grade: 9.04 / 10 · Thesis: Attendance Management using Real-Time Face Recognition

Experience

Full Stack Developer | **ArtAICare** | *Oct 2025 – Present*

- Led end-to-end website revamp, redesigning the user interface and modernizing the frontend architecture for improved usability and visual consistency across the platform.
- Implemented performance optimizations including lazy loading, code splitting, caching strategies, and database query tuning, reducing page load times and improving overall responsiveness.
- Designed and maintained CI/CD pipelines using GitHub Actions for automated build, test, and deployment workflows across development and production environments (dev.artaicare.com and therapy.artaicare.com).
- Enforced security best practices including SSH deploy key configuration, branch protection rulesets, secrets management, and HTTPS enforcement to harden the deployment infrastructure.

Research Intern | **SnT, TRUX Research Group, University of Luxembourg** | *Mar 2025 – Aug 2025*

- Worked on benchmarking large language models for code generation, evaluating correctness, efficiency, and performance under dynamic and static settings.
- Contributed to research on model stability and robustness across multiple code-generation prompts and architectural variations.
- Actively involved in code authorship attribution using machine learning to safeguard intellectual property and identify code provenance.
- Collaborated with PhD researchers and faculty to publish results and build reproducible evaluation pipelines.

Software Engineer | **Country Delight, Bengaluru, India** | *Mar 2022 – Aug 2024*

- Developed scalable web interfaces and internal dashboards to support customer analytics and supply chain insights.
- Integrated data pipelines and automation scripts for real-time reporting using Python and SQL.
- Collaborated with cross-functional teams to explore ML use cases in demand prediction and route optimization.
- Modernized frontend architecture using Angular, Material-UI, and component-driven design.

Software Engineer | **L&T Technology Services, Mysore, India** | *Aug 2019 – Dec 2021*

- Engineered micro-frontend systems using React and Angular to serve dynamic interfaces across internal AI tooling.
- Contributed to ML model deployment infrastructure by integrating APIs with frontend modules.

- Enhanced user interaction and system responsiveness through performance profiling and state management.
- Mentored junior developers on clean coding practices and Git-based workflows.

Skills

Programming: Python, C++, JavaScript, SQL, Bash

AI/ML Frameworks: TensorFlow, PyTorch, scikit-learn, Keras, OpenCV

Tools & Libraries: NumPy, pandas, Matplotlib, Seaborn, Jupyter, FastAPI

DevOps & Cloud: Git, Docker, GitHub Actions, AWS EC2/S3, Linux

Frontend: Angular, React, Material-UI, HTML5, CSS3

Other: LaTeX, REST APIs, Agile/Scrum, VSCode

Languages

English: C1 Listening, Reading, Production · B2 Interaction, Writing