Lagisetty Ravikiran

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# Professional Summary

Enthusiastic and motivated individual with a strong passion for Machine Learning, Deep Learning, and Generative AI. Eager to leverage my skills and experience to develop innovative solutions that drive progress in cutting-edge technologies. Dedicated to applying my knowledge to solve real-world problems and contribute to advancements in artificial intelligence., testing., ability, requirements, freshers, python, as, technical, familiarity, integration, code, apis., python-based, implement, testing, web, manner., (like, practices, participate, are, developing, new, git), analytical, we, no, trainee, problem-solving, reviews, best, job, remote, logic, challenges., experienced, tools, hands-on, both, key, management., (sql/nosql), algorithms., their, will, team, issues, work, members, core, version, overview, development, systems, responsibilities, tasks, kick-start, growing, skills, applications, required., technology, various, outs, field., efficient, talented, maintenance, automation, continuously, concepts., skills., you, verbal., career, eagerness, related, language, databases, (git), frameworks, improve, independently, science, developers, excellent, assist, help, like, troubleshoot, your, trainees, resolve, basic, stay, libraries., frameworks, apply, learn, degree, team., engineering, development, features., looking, opportunity, requirements., control, such, django, software, qualifications, developer, written, join, applications., design, understanding, python., welcome;, plus., information, scalable, clean, advantage., coding, prior, updated, debug, integration, support, latest, bachelor’s, individuals, collaborate, write, mindset, ins, timely, backend, testing., ability, requirements, freshers, python, as, technical, familiarity, integration, code, apis., python-based, implement, web, manner., (like, practices, participate, are, developing, new, git), analytical, we, no, problem-solving, reviews, best, job, remote, challenges., experienced, hands-on, both, key, management., (sql/nosql), algorithms., their, will, team, issues, work, members, core, version, overview, development, systems, responsibilities, tasks, kick-start, growing, required., various, outs, field., talented, maintenance, continuously, concepts., skills., you, verbal., career, eagerness, related, language, databases, frameworks, improve, independently, developers, excellent, assist, help, like, your, trainees, resolve, basic, stay, libraries., apply, learn, degree, team., features., looking, opportunity, requirements., control, such, django, software, qualifications, developer, written, join, applications., understanding, python., welcome;, plus., information, scalable, advantage., coding, prior, updated, support, latest, bachelor’s, individuals, collaborate, write, mindset, ins, timely

# Education

* **Kalasalingam Academy of Research and Education** *08/2021 - 05/2025 B.Tech, CSE* Virudhunagar, India
  + GPA: 9.25/10.0
* **Rao’s Junior College** *06/2020 - 03/2021*

*Pre-University Education - 12th Class* Nandyal, India

* + Grade: 93.3%
* **Good Shepherd English Medium School** *06/2018 - 03/2019*

*Secondary Education - 10th Class* Nandyal, India

* + GPA: 9.7/10

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* **Programming Languages:** Python, Java, SQL, HTML(Basic)
* **Data Science & Machine Learning:** Tensorflow, Flask, Pandas, PowerBI, Numpy
* **Tools:** Git/GitHub, VM Machine, VS Code, IntelliJ
* **Courses:** Object-Oriented Programming, Computer Networks, Operating System, Analytics Insights Launchpad Program - Pwc

# Experience

* **Infosys Spring Board Internship [[](https://infyspringboard.onwingspan.com/web/en/)]** *Nov,2024 - Jan,2025*

*AI Intern* Remote, India

* + Built an RAG-based tool using Llama-3.1 for efficient academic PDF querying, enabling precise, context-aware

responses. Extracted PDF content with PyPDF2, embedded it using OpenAI’s model, and stored it in a FAISS vector database for fast retrieval. Developed a Flask app for document uploads and integrated LangChain to streamline LLM-driven responses.

* + Explore more on GitHub - [[](https://github.com/LagisettyRavikiran/PDF-Interaction-Q-A)]

# Projects

* **EchoVision Detection: Enhancing through Object Auditory Visual Fusion on Edge Devices** *Dec, 2024 Tools: Open CV, Yolov3, playsound, Streamlit* [[](https://github.com/LagisettyRavikiran/Voice-Object-detection)]
  + This project aimed for detecting Objects and give voice output. It employs deep learning algorithms and uses

Yolov3 to detect the Objects and convert into voice.

* + Streamlined a 93% accuracy rate in detecting the Objects and detected Object converted into voice and deployed with Streamlit framework.
* **BreastNet: Breast Cancer Detection Using Deep Learning** *Oct, 2022 Tools: CNN, Machine Learning, Flask, HTML* [[](https://github.com/LagisettyRavikiran/Health-diagnostic)]
  + This project aimed for detecting and classifying the tumor(benign or malignant) for the breast cancer in the given

X-ray Images.

* + Streamlined a 90% accuracy rate in classifying the X-rays images and deployed with Flask framework.
* **Stroke Predection using ML Algorithms** *May, 2023*

*Tools: Random Forest, Machine Learning, Flask, HTML* [[](https://github.com/LagisettyRavikiran/Stroke_Prediction/)]

* + This project is aimed to develop the detection of Stroke based on the the patients data and it is implemented using

Random Forest Algorithm with the accuracy of 97% and deployed using flask.

# Publications and Achievements

* + **Enhancing Object Detection through Auditory-Visual Fusion on Edge Devices with FogBus Integration.** Published in *5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI) - 2024*. [DOI:https://ieeexplore.ieee.org/document/10810879](https://ieeexplore.ieee.org/document/10810879)
  + **BreastNet: Design and Evaluation of a Deep Learning model for recognizing Breast Cancer from Images.** Published in *6th International Conference on Electronics, Communication and Aerospace Technology - 2022*. [DOI:https://ieeexplore.ieee.org/document/10009187](https://ieeexplore.ieee.org/document/10009187)
  + Got 1st place in Idea Spark Project Presentation in our University.