

Akarsh J

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SUMMARY

Dedicated Software Developer with strong foundations in Computer Science and hands-on experience in AI, ML, and Full-Stack Development. Skilled in building efficient systems and delivering real-world problem-solving solutions.

EDUCATION

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| NSS College of Engineering, Palakkad (KTU) <i>B.Tech in Computer Science and Engineering — CGPA: 7.43</i> | Expected 2025 |
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EXPERIENCE

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| Machine Learning Intern <i>Coincent in association with Fox Trading</i> <ul style="list-style-type: none">Implemented supervised learning models using Python on real-world datasets.Participated in expert sessions focused on practical applications of machine learning. | Jun 2024 – Aug 2024 |
| Artificial Intelligence Intern <i>Teachnook in collaboration with AICAN</i> <ul style="list-style-type: none">Applied AI techniques in model development, data preprocessing, and deployment tasks.Contributed to real-time applications utilizing core AI tools and frameworks. | Oct 2022 – Nov 2022 |

PROJECTS

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| Movie Ticket App <i>MERN Stack, Redux, JWT, MUI</i> | Full-Stack <ul style="list-style-type: none">Built a full-stack movie booking system with user/admin dashboards, authentication, and responsive UI.Implemented RESTful APIs using Express and MongoDB with JWT authentication and Redux state management. |
| Voz Clara <i>Edge AI, Jetson Orin Nano, CUDA, Quantization</i> | VQA for Blind <ul style="list-style-type: none">Deployed real-time Visual Question Answering system for the visually impaired using optimized edge models. |
| H-Botix <i>LangChain, FAISS, Llama-2, Chainlit</i> | AI Medical Assistant <ul style="list-style-type: none">Developed a GenAI-powered medical chatbot using retrieval-augmented generation for reliable health insights. |
| AI-Generated Text Detection System <i>PyTorch, BERT, Keras</i> | Deep Learning <ul style="list-style-type: none">Built a system to detect AI-generated text using deep learning models trained with GPU acceleration. |

CERTIFICATIONS

- Microsoft Azure AI Fundamentals – Aug 2024
- AI Course Completion – IIT Bhubaneswar – Nov 2022
- Certificate of Excellence – FOSS Hackathon – Apr 2024

TECHNICAL SKILLS

- Languages:** C, Java, JavaScript, Python, SQL, NoSQL, HTML, CSS
Frameworks/Tools: Node.js, React, Express, Git, VS Code
Databases: MongoDB, MySQL, FAISS (Vector Database)
Concepts: Data Structures, Algorithms, RESTful APIs, DevOps, ML, AI

ADDITIONAL INFORMATION

- Languages:** English, Malayalam, Hindi
Soft Skills: Adaptability, Time Management, Collaboration
Volunteer: Active NSS Volunteer (Team Coordination & Event Management)