

VIGNESHWAR REDDY GANGIREDDY

Entry-Level Software Engineer | AI/ML Projects  
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PROFESSIONAL SUMMARY

Software Engineer with multiple internships in full-stack development, cloud, and AI/ML projects. Proficient in Java, Python, C++, and JavaScript with experience in building scalable and distributed systems. Strong foundation in Linux environments, NLP, REST APIs, and DevOps workflows. Led academic and team-based projects involving information retrieval, machine learning, and real-time processing

EDUCATION

Master Of Science in Computer Science	08/2023 – 05/2025
Saint Louis University, Saint Louis, Missouri	CGPA: 9.0/10
Bachelor of Technology in Computer Science and Engineering (AI Specialization)	06/2019 – 05/2023
KL University Hyderabad	CGPA: 9.0/10

TECHNICAL SKILLS

Languages & Web:	Java, Python, C++, JavaScript, HTML, CSS, SQL, R
Frameworks & Libraries:	React.js, Angular, Node.js, Django, Spring Boot, TensorFlow, PyTorch, Scikit-learn, OpenCV
Cloud & DevOps:	AWS, Docker, Kubernetes, Jenkins, Git, CircleCI, Terraform
Databases & Tools	MySQL, MongoDB, PostgreSQL, GitHub, VSCode, PyCharm, Eclipse, Anaconda, Colab, JIRA
Testing & Concepts:	JUnit, Selenium, Postman, PyTest, REST APIs, GraphQL, OOP, RPA, Data Structures & Algorithms

PROFESSIONAL EXPERIENCE

DEV/QA Intern   OpenText   Bengaluru, India	08/2022 – 11/2022
<ul style="list-style-type: none"><li>Contributed to full-stack development in an Agile and DevOps environment, covering design to deployment</li><li>Worked on debugging, unit/integration testing, QA validation, and REST API integration using Java, Python, SQL</li><li>Supported CI/CD pipelines and completed ICT training to enhance cross-functional collaboration</li></ul>	
Software Intern (Audio Processing)   Samsung PRISM R&D   Bengaluru, India	07/2021 – 03/2022
<ul style="list-style-type: none"><li>Improved audio quality and reduced processing errors via signal enhancement and noise reduction techniques</li><li>Handled NLP tasks to improve speech-to-text systems and interactive voice experiences</li><li>Designed testing workflows and deployed solutions using Python, NLTK, spaCy, MATLAB, and speech tools</li></ul>	
Cloud Intern   AICTE   Remote	10/2021 – 12/2021
<ul style="list-style-type: none"><li>Completed 8+ AWS modules; built mock cloud architectures with EC2, S3, IAM, RDS</li><li>Demonstrated proficiency in deploying scalable infrastructure and automating workflows using Python and CLI</li></ul>	

PROJECTS

Job Recruitment Database System	11/2024
Developed a full-stack recruitment platform with MySQL backend, React.js frontend, and RESTful APIs for applicant tracking and job matching. Tech: MySQL, React.js, Node.js, Tailwind CSS, REST API	
Smart Assistance for Visually Impaired	03/2023
Built real-time object detection system using YOLOv3 and RNNs; integrated voice synthesis for auditory feedback Tech: Python, YOLOv3, RNN, OpenCV, Jupyter	
Disease Prediction Using Machine Learning	11/2022
Designed ML-based engine to predict diseases from symptom inputs using classification models Tech: Python, Scikit-learn, Pandas, NumPy	
Travel Tourism and Hospitality Management Web App	11/2021
Created full-stack app for trip planning and hotel booking with dynamic data and CRUD support Tech: Node.js, Express.js, MongoDB, JavaScript	
Car Price Prediction System	03/2020
Built regression-based model to estimate used car prices with user input and visual UI Tech: Python, Scikit-learn, HTML, JS, Jupyter	

CERTIFICATIONS

Fundamentals of Data Analytics   NASSCOM	2023
Azure AZ-900   Microsoft Certified	2023
Advanced RPA Professional   Automation Anywhere	2022
Cloud Infrastructure Foundations Associate   Oracle	2022

TRAINING & EXTRACURRICULAR ACTIVITIES

AWS Academy Cloud Architecting & Cloud Foundation   AWS	12/2021 – 01/2022
Completed hands-on training in cloud architecture, deployment, and AWS services; built a foundation for advanced certifications	
Member, AI and ML Club   KL University	
Led sessions on AI, ML, and Deep Learning; fostered collaborative learning through tutorials and industry insights	
Participant, Collage Hackathon   KL University	
<ul style="list-style-type: none"><li>Built a Java-based web app integrating multiple technologies with responsive UI and full-stack functionality</li></ul>	