

Mahathi Guvvala

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EDUCATION

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| SASTRA Deemed University , Thanjavur, Tamil Nadu, India. <i>Bachelor of Technology in Electrical and Electronics Engineering</i> . CGPA 8.03/10 | Expected Graduation: May 2025 |
| Sri Chaitanya Junior kalasala , Hyderabad, Telangana, India. <i>Grade 11 and Grade 12 in M.P.C(Science)</i> . Percentage 98.6% | June 2021 |
| Gautam High School , Proddatur, Andhra Pradesh. <i>Grade 10</i> . CGPA 9.8/10 | May 2019 |

SKILLS

- Computer Languages – Python, C++
- Frameworks & Libraries – TensorFlow, PyTorch, Scikit-Learn, ONNX, OpenVINO, DirectML
- AI & Cloud Platforms – Azure AI, OpenAI API
- Tools & Databases – Git, GitHub
- Operating Systems – Linux, Windows
- Languages – English, Telugu
- Soft Skills – Communication, Organizational Leadership, Analytical Thinking, Teamwork, Problem Solving

PROJECTS

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| AI – POWERED RESUME SCREENING TOOL | Dec 2024 |
| <ul style="list-style-type: none">• Developed an AI-based tool using Natural Language Processing (NLP) to analyze resumes and match them with job descriptions.• Implemented BERT & GPT models for skill extraction and relevance scoring.• Integrated OpenAI API & Azure AI for intelligent resume ranking.• Deployed using Flask/FastAPI with a user-friendly web interface. | |
| AI – BASED CODE REVIEW ASSISTANT | July 2024 |
| <ul style="list-style-type: none">• Designed an AI-powered code review system that analyzes code quality, detects errors, and suggests improvements.• Utilized Large Language Models (Phi-3, GPT, Llama) for intelligent code analysis.• Optimized inference using ONNX & OpenVINO for faster processing.• Built a web-based interface using Flask/FastAPI for easy code submission and review. | |

RESEARCH EXPERIENCE

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| RESEARCH ON AI MODEL OPTIMIZATION USING ONNX & OPEN VINO |
| <ul style="list-style-type: none">• Explored AI model optimization techniques for improving inference speed and efficiency.• Conducted performance benchmarking on ONNX and OpenVINO across different AI models.• Implemented model compression & quantization to enhance computational efficiency.• Documented findings in a research report comparing AI frameworks for real-world applications. |

ACTIVITIES

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| NATIONAL SERVICE SCHEME | January 2022-Present |
| <i>Volunteer</i> <ul style="list-style-type: none">• Led the NSS team in organizing events focused on educating village schools about cleanliness and the importance of education. | |