

SKILLS

- **Programming Languages:** Python, Java
- **Programming Frameworks:** Hugging Face, Pandas, Numpy, Matplotlib, Seaborn
- **Technologies:** Docker, Git, Jupyter
- **Languages:** Telugu (Native), English (Full Professional Proficiency), Hindi (Native), Arabic (Elementary Proficiency)

EDUCATION

- **Bob Jones University** Greenville, SC
Bachelor of Engineering in Computer *August 2023 – Expected May 2027*

PROJECTS

- **LLM Benchmark Visualizer [GitHub]:** Engineered an interactive web application to benchmark and visualize performance, price, and speed metrics for leading LLMs (e.g., Mistral AI, Llama 3). Utilized Pandas for data aggregation and Plotly for dynamic visualizations, providing clear, comparative insights for optimal model selection.
- **VisiGen—AI Image Generator [GitHub]:** Developed a desktop application that integrates with the Stable Diffusion API to generate high-quality images from complex natural language prompts. Designed the UI with JavaFX and managed API requests, demonstrating skills in building full-stack AI-powered tools.
- **Tata Group GenAI Data Analytics Job Simulation [Link]:** Leveraged Generative AI and prompt engineering techniques to analyze a large dataset of customer feedback. Synthesized complex information into a concise, AI-generated business summary, identifying key trends and actionable insights.
- **Deloitte Technology Job Simulation [Link]:** Debugged and fixed incorrect JSON file formatting in code. Formulated and presented an AI-driven business strategy to reduce delinquency rates and improve customer retention.
- **Cuatros-Tetris-Inspired Game Development [GitHub]:** Engineered a fully responsive UI with intuitive controls and multiple screens, significantly enhancing user engagement and gameplay experience. Collaborated with team members, on core game mechanics development and applied JavaFX GUI design and OOD principles, reducing user errors by 30% and improving game stability by 40% through thorough testing and debugging.
- **Image-Enabled Weather Balloon [GitHub]:** Designed and implemented a cost-effective, robust tracking system for a high-altitude weather balloon, integrating APRS transmitters and GPS. Achieved 100% tracking accuracy for a 48-hour flight duration by engineering a power-efficient hardware and software payload.

EXPERIENCE

- **Bob Jones University** Greenville, SC
Technician and Training Assistant *May 2025 – Present*
 - **Technician – Audio Visual:** Delivered critical AV support for all campus-wide events, troubleshooting hardware and software to ensure seamless operations. Increased system uptime by 25% and boosted operator efficiency by 20% by implementing user-friendly control interfaces with Extron Software Tools.
 - **Training Assistant – Arduino Computer Engineering Camp:** Instructed a cohort of 15+ middle and high school students in Arduino programming fundamentals and hardware integration. Guided students through the development of hands-on projects, improving their practical understanding of computer engineering principles.