

BUDDEPU SHIVA

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GitHub <https://github.com/Shiva-Buddepu>

EDUCATION

- **Vellore Institute of Technology**, Chennai
Bachelor of Technology | CGPA: 8.53 2021-2025
- **Sri Chaitanya Junior College**, Visakhapatnam
Intermediate Education | CGPA: 9.82 2018-2020
- **Andhra Pradesh Model School**, M.S. Palli
Secondary School Education | CGPA: 9.80 2018

SKILLS

- **Programming Languages:** Python, SQL
- **Power Platforms Tools:** Microsoft Power BI, Microsoft Power Apps, Microsoft Power Pages, Microsoft Power Virtual Agents, Microsoft Power Automate
- **Database Management:** MySQL, PostgreSQL
- **Machine Learning:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, OpenCV
- **Deep Learning:** TensorFlow, Keras, PyTorch
- **Generative AI:** Hugging Face Transformers, LangChain, Diffusers

WORK EXPERIENCE

- **Machine Learning Engineer Intern** | [LINK](#) Aug 2023 – Dec 2023
SmartInternz, Hyderabad
 - Gained hands-on experience in developing and deploying Machine Learning models while collaborating with teams to solve real-world problems using Deep Learning techniques.

CERTIFICATES

- **Microsoft Certified: Power Platform Fundamentals** | [LINK](#) 2025
 - Demonstrates foundational knowledge of Power Platform tools including Power BI, Power Apps, Power Pages, Power Automate, and Power Virtual Agents.
- **Microsoft Certified: Power BI Data Analyst Associate** | [LINK](#) 2024
 - Validates expertise in creating interactive dashboards, data modeling, and delivering actionable business insights using Power BI.
- **Artificial Intelligence and Machine Learning (SmartInternz)** | [LINK](#) 2023
 - Completed hands-on training in AI and ML concepts, model development, and implementation using Python and relevant frameworks.

PROJECTS

- **Detecting COVID-19 From Chest X-Rays Using Deep Learning Techniques** | [LINK](#)
 - Used CNN algorithm | Keras layers: Conv2D, MaxPool2D, Flatten, Dense, Input Layer, Dropout | ReLU activation | Classified X-rays into COVID-19, pneumonia, healthy
- **Skin Cancer Detection Using EfficientNetB0** | [LINK](#)
 - Implemented EfficientNetB0 | Achieved 96.2% accuracy | Data augmentation to balance dataset | Visualized metadata for insights
- **Image Segmentation using OpenCV** | [LINK](#)
 - Segmentation using edge-based & region-based methods | Gaussian Blur for noise removal | Canny operator for edge detection | GrabCut algorithm for region extraction

EXTRA-CURRICULAR ACTIVITIES

- **Dance Club Member** 2023 – 2025
 - Participated in dance performances, promoted events, and assisted in planning and managing club activities.