

Trivickram Baratam

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Electronics and Communication Engineering
Grade -8.49CGPA

Chennai,Tamil Nadu

Sep 2022 – July 2026

Sri Chaitanya College

Grade - 92%

Srikakulam, Andhra Pradesh

Jun 2020 - Jun 2022

DR.KKR GOWTHAM School

Grade - 85%

Vishakhapatnam, Andhra Pradesh

Jun 2019 - May 2020

EXPERIENCE

Project Intern

May 2024 - July 2024

National Institute of Technology, Warangal

- Developed a fully responsive personal portfolio with integrated projects, improving web accessibility while ensuring compatibility across major browsers
- Trained a machine Learning model with accuracy 98.7 for Parkinson's Disease Prediction
- Created an innovative PCB design focused on effective color detection; streamlined integration process reduced assembly time by 30%, ensuring faster deployment of products within project timelines.

Student Intern

July 2024 - Present

MedxAI Innovations private Limited

- Explored methods to innovate and make circuits to meet certain requirements
- Designing a Prototype Model for a Glove to Assist Individuals with Parkinson's Disease

PROJECTS

Personal Portfolio | *HTML, CSS, JavaScript,*

Dec 2023 – Jan2024

- Developed a Frontend web application using with HTML,CSS,JS
- Visualized all my skills in the Portfolio
- Also included a small application to contact me personally

Simple Homepage for a commercial Restaurant | *HTML,CSS*

Jan 2024 – Jan 2024

- Developed a homepage is made only using html and css
- Developed a homepage for a commercial restaurant which also includes a promotional banner in the page
- Homepage has all the items in the restaurant with the description

Parkinson's Disease Detection using ML | *Python, NumPy,Pandas,Seaborn*

Nov 2023 – Dec 2023

- Engineered an SVM model achieving 87% accuracy for early Parkinson's detection, using voice signals, providing a non-invasive diagnostic solution.
- Applied advanced preprocessing and visualized data using t-SNE and heatmaps to optimize feature selection.
- Integrated SVM, Random Forest, and Decision Tree models, evaluated with confusion matrix, ROC, and precision-recall, ensuring high detection precision.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, R, ASM

Developer Tools: Git, Docker, VS Code, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib,Keras,TensorFlow,Seaborn

LICENSES AND CERTIFICATIONS

- Machine Learning Specialization | *DeepLearning.AI,Stanford University*
- Introduction to Front-End development,Programming with JavaScript,Version Control | *Meta,Coursera*
- Introduction to Packet Tracer and IoT | *Cisco Networking Academy*