Baratam Trivickram

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EDUCATION

Vellore Institute of Technology, India   Sep 2022 – Aug 2026
Bachelor of Technology, Electronics and Communication Engineering   *8.59/10.00 CGPA(JUN 2024)*

Sri Chaitanya Junior College, India   June 2020 – May 2022
XII   *920/1000 (92%)*

Dr.KKR's Gowtham School, India   May 2020
X   *8.5/10.0 CGPA (85%)*

EXPERIENCE

Project Intern   May 2024 – July 2024
National Institute of Technology, Warangal

- Developed a fully responsive portfolio website, improving web accessibility by 25% and ensuring cross-browser compatibility.
- Trained a machine learning model for Parkinson's Disease prediction, achieving 98.7% accuracy and optimizing early diagnosis.
- Designed and implemented a PCB with integrated color detection, reducing assembly time by 30% and enhancing efficiency.

PROJECTS

SnackOverFlow – Food Ordering Web App | *React, MongoDB, Express*   Jan 2024
- Contributed to frontend development using React.js & Vite, enhancing UI/UX responsiveness.
- Implemented API integrations and assisted in backend development with Node.js & Express.js.
- Worked on authentication features and optimized MongoDB queries for efficient data handling.
- Assisted in deployment on Vercel & Cloudflare Pages, improving performance and scalability.

Parkinson's Detection using ML | *Python, NumPy, Pandas, Seaborn*   May 2024 – July 2024
- Developed an SVM model with 98.7% accuracy for early Parkinson's detection.
- Optimized feature selection using t-SNE and heatmaps.
- Evaluated models using confusion matrix and ROC.

Personal Portfolio | *HTML, CSS, JavaScript*   Dec 2023 – Jan 2024
- Developed a fully responsive personal portfolio using HTML, CSS, and JavaScript, ensuring seamless user experience across devices.
- Added interactive elements for smooth scrolling and dynamic content, enhancing user engagement.
- Deployed on Vercel, ensuring fast load times and seamless performance.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, R, ASM
Frameworks/Libraries: Keras, TensorFlow, Seaborn , Tailwind, Node.js, Express, React
Developer Tools: Git, Github, Visual Studio Code, Docker,
Hosting Platforms: Github Pages, Vercel, Netlify, Cloudflare, Render

ACHIEVEMENTS

Solved 200+ problems in Leetcode | *Leetcode*   APR 2024

POSITIONS OF RESPONSIBILITY

Management Team Member | *LINUX Club - VITC*   Nov 2023 – Jul 2024

LICENSES AND CERTIFICATIONS

- Machine Learning Specialization | *DeepLearning.AI,Stanford University*
- Introduction to Cisco packet tracer and IoT | *Cisco Networking Academy*