

# Baratam Trivickram

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## EDUCATION

### Vellore Institute of Technology, India

Bachelor of Technology, Electronics and Communication Engineering

Sep 2022 – Aug 2026

8.59/10.00 CGPA (JUN 2024)

### Sri Chaitanya Junior College, India

XII

June 2020 – May 2022

920/1000 (92%)

## EXPERIENCE

### Project Intern

National Institute of Technology, Warangal

May 2024 – July 2024

- 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.

### Web Developer Intern

School of Electronics Engineering (SENSE), VIT Chennai

Feb 2025 – Mar 2025

- Developed and launched the official website for VIT-BIS Fest 2025 using HTML, CSS, and JavaScript, resulting in a 25% improvement in web accessibility and a 40% reduction in bounce rate.
- Integrated interactive features such as countdown timers and dynamic content updates, resulting in a 50% increase in user engagement and a significant boost in user retention.
- Ensured cross-browser compatibility and mobile responsiveness, enhancing user experience across devices and contributing to a 12% increase in overall website traffic.

## PROJECTS

### SnackOverFlow – Food Ordering Web App | React, MongoDB, Express

Jan 2024-Present

- 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

## Licenses and Certifications

- Machine Learning Specialization | DeepLearning.AI, Stanford University
- Meta Front-End Developer | Meta, Coursera