

# Baratam Trivickram

+91 7780275446 | [trivickrambaratam@gmail.com](mailto:trivickrambaratam@gmail.com) | [linkedin.com/in/trivickram](https://www.linkedin.com/in/trivickram) | [github.com/trivickram](https://github.com/trivickram)

## SUMMARY

Aspiring Software Engineer with expertise in Python, Java, Web Development, and Machine Learning. Experienced in full-stack development, AI applications, and scalable system design. Passionate about problem-solving, optimizing performance, and building user-centric solutions.

## EDUCATION

<b>Vellore Institute of Technology, India</b> <i>Bachelor of Technology, Electronics and Communication Engineering</i>	Sep 2022 – Aug 2026 8.59/10.00 CGPA (JUN 2024)
<b>Sri Chaitanya Junior College, India</b> <i>XII</i>	June 2020 – May 2022 920/1000 (92%)

## EXPERIENCE

<b>Project Intern</b> <i>National Institute of Technology, Warangal</i> <ul style="list-style-type: none"><li>Developed a machine learning model for Parkinson's Disease detection, achieving 98.7% accuracy, improving early diagnosis efficiency.</li><li>Designed and implemented a PCB-integrated color detection system, reducing assembly time by 30% and enhancing workflow efficiency.</li></ul>	May 2024 – July 2024
<b>Web Developer Intern</b> <i>School of Electronics Engineering (SENSE), VIT Chennai</i> <ul style="list-style-type: none"><li>Designed and launched the official website for VIT-BIS Fest 2025, boosting web accessibility by 25% and reducing bounce rate by 40%.</li><li>Implemented interactive features (countdown timers, dynamic content updates), increasing user engagement by 50% and retention rate significantly.</li></ul>	Feb 2025 – Mar 2025

## PROJECTS

<b>SnackOverflow – Food Ordering Web App</b>   <i>React, MongoDB, Express</i> <ul style="list-style-type: none"><li>Developed responsive UI using React.js &amp; Vite, improving user experience across devices.</li><li>Integrated REST APIs for seamless backend communication with Node.js &amp; Express.js.</li><li>Implemented authentication &amp; optimized database queries in MongoDB, enhancing data retrieval efficiency.</li></ul>	Jan 2025 - Mar 2025
<b>Parkinson's Detection using ML</b>   <i>Python, NumPy, Pandas, Seaborn</i> <ul style="list-style-type: none"><li>Built and optimized an SVM model achieving 98.7% accuracy for early detection.</li><li>Utilized feature selection techniques (t-SNE, heatmaps) to improve model performance.</li><li>Evaluated model performance using confusion matrix and ROC curve to ensure accuracy.</li></ul>	May 2024 – July 2024
<b>Personal Portfolio</b>   <i>HTML, CSS, JavaScript</i> <ul style="list-style-type: none"><li>Developed a fully responsive personal portfolio using HTML, CSS, and JavaScript, ensuring seamless user experience across devices.</li><li>Added interactive elements for smooth scrolling and dynamic content, enhancing user engagement.</li></ul>	Dec 2023 – Jan 2024

## TECHNICAL SKILLS

<b>Programming Languages:</b> Java, Python, C, C++, JavaScript, HTML/CSS, R, Assembly (ASM)
<b>Frameworks &amp; Libraries:</b> React.js, Node.js, Express.js, Keras, TensorFlow, Seaborn, TailwindCSS
<b>Developer Tools:</b> Git, GitHub, Docker, Visual Studio Code

## ACHIEVEMENTS

<b>Solved 200+ problems in Leetcode</b>   <i>Leetcode</i>	APR 2024
---	----------

## Licenses and Certifications

Machine Learning Specialization   <i>DeepLearning.AI, Stanford University</i>
Meta Front-End Developer   <i>Meta, Coursera</i>