VIJAY KASTHURI K

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Education

PSNA College of Engineering and Technology   **2023–Present**
Bachelor of Engineering – Computer Science and Engineering   **CGPA 8.23**

C.E.O.A Matric Hr. Sec. School   **2022–2023**
HSC - Computer Science   **Score 87.7%**

Projects

Growlify – An AI-Powered Urban Farming System   *github-Growlify* ↗

Technologies: React JS, Node JS, Express JS, MongoDB, Python, Machine Learning.

- Developed an AI-powered urban farming assistant to detect plant diseases and provide smart crop care recommendations using machine learning.
- Enabled weather-based watering notifications and AI-driven farming guidance, enhancing user experience and promoting healthier plant growth.

Enchanced Rail Madad With AI-Powered Complaint management System   *github-railmadad* ↗

Technologies: HTML5,CSS,Javascript,React,Python, Machine Learning, Firebase

- Developed an AI-based complaint management system for Rail Madad with features like automatic complaint categorization, sentiment analysis, and issue prediction using machine learning.
- Enabled text extraction from complaint images and supported real-time complaint tracking and resolution, improving response time and overall user satisfaction.

Internships

MERN Stack Developer Intern   *On - Site*
Dot Com Infoway - Madurai   *24 June- 24July 2025*

- Developed Growlify, an AI-powered urban farming system using the MERN stack and machine learning to detect plant diseases and provide intelligent crop care recommendations.
- Integrated real-time plant disease detection, smart watering notifications based on weather data, and AI-driven guidance to improve farming efficiency and support healthier urban crops.

Data Science Intern   *Hybrid*
Personifwy - Karnataka   *15 Nov 24 - 30 Dec 24*

- Conducted Exploratory Data Analysis (EDA) on credit datasets to extract actionable insights, supporting data-driven decision-making and strategic planning.
- Developed and optimized a machine learning model for SMS spam classification, implementing efficient preprocessing pipelines to boost accuracy, scalability, and performance.

UI / UX Designer Intern   *Remote*
Duhzine IT Solutions Pvt Ltd - Chennai   *Aug 24 - Nov 24*

- Redesigned the website for Techie Nutpam using modern UI/UX design principles, resulting in a more intuitive, user-centric, and visually appealing interface.
- Collaborated in a cross-functional team, contributing to interface design and enhancing the site's functionality, accessibility, and overall user experience.

Technical Skills

Programming: Java, Python, C .
Web Technologies: HTML, CSS, JavaScript, Bootstrap, React.js,Node.js, Express.js.
Databases: MongoDB, Firebase, SQL.
Specialized Area: MERN Stack, Java,Data Science, Ml.
Math & Stats Tools: Problem Solving, Logical Thinking
Other Tools/Tech: Flask,Figma
Version Control: GitHub

Achievements

LeetCode: Profile ↗
GeeksForGeeks: Profile ↗
Code Chef: Profile ↗ **Hacker Rank:** Profile ↗

Certifications

Technology Job Simulation – Deloitte Australia (Forage), Programming in Java – NPTEL, Java Certification – HackerRank, Joy of Computing Using Python – NPTEL, Foundations of Cybersecurity – Coursera.
View here ↗.