

Ch V M Kiran

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SUMMARY

Software Engineer and final-year Computer Science student specializing in Machine Learning, driven to engineer scalable, high-performance backend systems. Recognized in the Top 4% globally on LeetCode (Knight Badge), with a proven ability to develop full-stack MERN applications and integrate ML pipelines into reliable REST APIs. Eager to drive impactful backend solutions within a dynamic technology environment.

SKILLS

- **Languages:** C/C++, Python, Java, JavaScript
- **Core CS:** Data Structures & Algorithms, Object-Oriented Programming, DBMS, Operating Systems, Computer Networks
- **Web Development:** React.js, Node.js, Express.js, REST APIs, HTML, CSS, Tailwind CSS
- **Databases & Cloud:** MongoDB, SQL, AWS (EC2, S3, Load Balancing, Auto Scaling)
- **Machine Learning:** Supervised Learning, Scikit-Learn, Pandas, NumPy, ML Pipeline Integration
- **Developer Tools:** Docker, Postman, Git, GitHub

PROJECTS

Farmo-Phile (React, Node.js, Express.js, Machine Learning) [\[Live Preview\]](#) [\[Source Code\]](#)

- Developed a full-stack MERN application delivering intelligent crop recommendations, crop rotation planning, fertilizer suggestions, and yield predictions via scalable REST APIs.
- Designed and integrated an end-to-end ML pipeline achieving 99.3% classification accuracy for crop recommendations and an R^2 score of 0.97 for yield predictions, ensuring API reliability by capping inference endpoints at 100 requests/minute per user.

Shadow Note (MERN Stack, REST APIs, Authentication) [\[Live Preview\]](#) [\[Source Code\]](#)

- Built a secure, end-to-end data management application utilizing React, Node.js, and Express.js, leveraging asynchronous processing for efficient backend data flow.
- Implemented robust JWT-based authentication and designed structured MongoDB schemas to guarantee secure, personalized data storage and retrieval.

Level Up Dev (HTML, CSS, JavaScript, Local Storage) [\[Live Preview\]](#) [\[Source Code\]](#)

- Led a 6-member engineering team to build an interactive web platform featuring tiered coding tasks and persistent user progress tracking via Local Storage.
- Developed a custom in-built compiler engine utilizing DOM manipulation to evaluate client-side HTML, CSS, and JS solutions, significantly enhancing developer experience.

EXPERIENCE

Web Development Intern - Technical Hub Pvt Ltd [\[Certificate\]](#)

May 2025 – June 2025

- Implemented a browser-based online compiler for real-time execution of HTML, CSS, and JavaScript, utilizing dynamic DOM manipulation and secure iframe sandboxing.
- Integrated the software tool into an enterprise training platform utilized by up to 2,000 concurrent learners, demonstrating strong application design principles.

ACHIEVEMENTS

- **LeetCode:** 1900+ rating (Knight Badge, Top 4%) with 800+ problems solved. [\[Profile Link\]](#)
- **GeeksforGeeks:** Top 3%, 4-star rating (1860+) with 300+ problems solved. [\[Profile Link\]](#)
- **CodeForces & CodeChef:** Pupil (1200+) [\[Profile Link\]](#) | 2-Star (Max 1528) [\[Profile Link\]](#)
- **Elite Coder:** Ranked 1 of 7 among 2,000+ first-year students at Aditya College.

CERTIFICATIONS

- **AWS Certified AI Practitioner** – Amazon Web Services, May 2025 [\[Link\]](#)
- **GitHub Foundations** – GitHub, May 2025 [\[Link\]](#)
- **Oracle Java Certified Foundations Associate** – Oracle, May 2025 [\[Link\]](#)
- **Oracle Database Foundations Associate** – Oracle, Sep 2025 [\[Link\]](#)
- **IT Specialist in HTML and CSS** – Pearson, Aug 2024 [\[Link\]](#)

EDUCATION

Aditya College of Engineering & Technology, Surampalem
B.Tech in CSE - Artificial Intelligence and Machine Learning | Final Year

Sep 2023 – June 2027
CGPA: 8.35 (Till Date)