K Sai Vaishnav Kumar

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SKILLS

- **Languages**:   C/C++, JavaScript, PHP, Python, Java
- **Frameworks & Libraries**:   ReactJS, NodeJS, HTML & CSS, Tailwind CSS
- **Tools & Platforms**:   MySQL, MongoDB
- **Soft Skills**:   Leadership, Problem-Solving, Adaptability, Teamwork

PROJECTS

E -Farma – E-Farming Web Application | GitHub   Oct' 25 – Dec' 25

- Developed a web-based e-farming platform connecting farmers with digital agricultural services through a secure login system.
- Implemented user authentication and role-based access for managing farming-related data and services.
- Designed a responsive and user-friendly interface to improve accessibility for farmers and stakeholders.
- Deployed the application on Vercel for high availability and easy access.

Tech stack: ReactJS, Node.js, MongoDB

S-Conference – Conference Management Platform | GitHub   Jan' 25 – Apr' 25

- Engineered a comprehensive platform for managing academic and business supporting operations featuring user-friendly registration for attendees and speakers, event details, feedback forms, and subscription operations.
- Streamlined the registration experience by enabling abstract submissions and generated unique registration IDs for participants.
- Enabled organizers to manage event schedules, gather attendee feedback, and maintain ongoing communication with participants through the platform.
- Integrated contact and communication modules to improve engagement between organizers, speakers, and attendees.

Tech stack: HTML, JavaScript, CSS, Tailwind CSS, PHP, SQL

Grammar Checker– AI Bot | GitHub   Jan' 25 – Apr' 25

- Developed an AI-powered Grammar Checker Bot using Python and Machine Learning, capable of detecting grammar, spelling, and punctuation errors with high accuracy.
- Designed a clean and user-friendly web interface enabled users to input text and receive real-time grammar corrections.
- Leveraged NLP techniques such as tokenization, POS tagging, and language modeling to improve contextual understanding and suggestion relevance.
- Optimized model performance through preprocessing, feature engineering, and hyperparameter tuning.

Tech stack: HTML, CSS, Python, Flask, Machine Learning, NLP

TRAINING

CSE Pathshala – DSA Using Python   Jun' 25 – Jul' 25

- Acquired a solid foundation in core Data Structures and Algorithms using Python, included arrays, linked lists, stacks, queues, trees, graphs, hash maps, sorting/searching algorithms, and dynamic programming.
- Applied efficient problem-solving strategies to enhance time and space complexity while working on competitive programming and algorithmic challenges.

Tech stack: Python, DSA, OOP, Time & Space Complexity

CERTIFICATES

- DSA Using Python - CSE Pathshala| **Link**   Aug' 25
- Cloud Computing - NPTEL| **Link**   May' 25
- Responsive Web Design – Freecodecamp| **Link**   Nov' 23

ACHIEVEMENT

- Secured SQL, Python and C++ badges on **Hacker Rank** for strong analytical & problem-solving-skills   Nov' 25

EDUCATION

Lovely Professional University   Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 6.24   *Aug' 23 - Present*

MP & EV School   Visakhapatnam, Andhra Pradesh
Intermediate; Percentage: 76%   *Jun' 21 – Apr' 22*

Vijayam Techno School   Visakhapatnam, Andhra Pradesh
Matriculation; Percentage: 86.2%   *Jun' 19 - Apr' 20*