Kshithij Keshav
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Senior Computer Science student with a solid understanding of computer science principles, data structures, and algorithms. Hands-on experience in developing web applications using Python and JavaScript, with a strong grasp of RESTful services and API development. Eager to work in dynamic, fast-paced environments, with a keen interest in learning new technologies and contributing to impactful projects

EDUCATION

RV Institute of Technology Bangalore,India
B.E, Computer Science, 8.8GPA June 2026
Relevant Coursework: Data Structures Algorithms,DBMS[MySQL],Operating Systems,Computer Organization,Micro-Controllers

Presidency PU [KSEAB] - 93% Bangalore,Karnataka
Sep 2022

Shantiniketan Educational Institutions [CISCE] - 92% Bangalore,Karnataka
Jul 2020

TECHNICAL SKILLS

Frameworks: React.js, Express.js, Flask | Databases: MongoDB, MySQL | Version Control: Git, Jenkins |APIs & Services: Twilio, RESTful, Hugging Face LLM | Languages: Python, JavaScript, Java, C

PROJECTS

Aadhar payment interface May 2024

- Developed a blockchain-enabled payment system using Aadhaar for secure user authentication.
- Integrated **Twilio API** for user verification and **Express.js** for transaction processing.
- Built the frontend using **React** and employed **WAMP** for server management.
- Aligned with decentralized finance concepts to explore real-world blockchain applications.

GridMasters Jan 2024

- Independently developed an advanced 9x9 grid game inspired by a YouTube video, enhancing traditional gameplay with a unique multi-level structure.
- Designed and implemented all game logic and rules to create a more complex, strategic challenge.
- Built the backend in Python and Java, showcasing my ability to create engaging gameplay from scratch.

Indian Sign Language Transcription Aug 2024

- Developed an LSTM-based deep learning model using TensorFlow for real-time gesture recognition.
- Processed video data into 30-frame sequences and achieved high accuracy on a dataset of four distinct gestures, each with 40 samples.
- Utilized OpenCV and MediaPipe for gesture recognition and landmark detection, enhancing model input processing.
- Optimized model architecture and hyperparameters for efficient real-time predictions.
- Addressed challenges of subtle variations in hand landmarks to improve gesture differentiation.

HIGHLIGHTS

Hackathons:

- ***Fantomcode24****:* Qualified for the final round among 100+ participants in a college-held national-level hackathon.
- ***amBITion****:* Finalist in the Blockchain wing of a national-level hackathon.

Workshops:

- ***CodeBoost****:* Technical workshop covering GitHub and competitive coding; secured 1st place in a local Hackerrank contest.
- ***Guest Lecture****:* University-organized lecture on P, NP, NP-Hard, and NP-Complete problems.

Leadership & Achievements:

- ***PR Executive****:* Managing communication and outreach for the Department Newsletter.
- ***Lok Sabha MUN****:* Secured 3rd place in a university-level Model United Nations debate.
- ***LeetCode****:* Solved 100+ problems,November-24 badge.

Courses:

- ***Data Structures & Algorithms (NPTEL)****:* Certified with Elite status (72%) via the Swayam Portal.

SOFT SKILLS & INTERESTS

- Soft Skills:Communication,Collaboration,Networking
- Language: Proficient in English/Kannada/Hindi.
- Interests: AI/ML Research,Problem Solving,Badminton,Social Service,Debating.