Mahantesh Biradar

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Profile

Passionate Python programmer pursuing B.E. in Computer Science with a focus on IoT, Cyber Security, and Blockchain. Skilled in Python, data structures, and object-oriented programming. Eager to apply knowledge to real-world projects and grow in the software development field.

Projects

Vrinda AI-Powered Virtual Assistant | Full-Stack Developer & AI Engineer | Jan 2025 – Present
Tech Stack: React.js, HTML/CSS, JavaScript, Python, MongoDB, OpenAI/Grok, Hugging Face, Google TTS/STT

- Developed a full-stack AI virtual assistant with **natural language processing (NLP)** and **multimodal capabilities** (text, voice, image generation).
- **Frontend**: Built an interactive UI using React.js for real-time chat, voice input, and dynamic image displays.
- **Backend**: Integrated Python APIs to handle NLP workflows, leveraging OpenAI/Grok for intent recognition and Hugging Face for image generation.
- **Database**: Stored user interactions and preferences in MongoDB for personalized responses and analytics.
- **Voice Integration**: Implemented Google TTS/STT for seamless voice-to-text and text-to-voice conversion.

Copy-Paste Application

- Developed a Python-based automation tool that streamlines data transfer between Excel spreadsheets and web applications using keyboard hotkeys.
- Integrated the keyboard library to enable intuitive hotkey-based triggers for a seamless user experience.
- Implemented robust error handling and logging to ensure smooth operation during continuous data entry and to facilitate manual intervention if necessary.
- Reduced manual data entry time significantly by automating the copy-paste process,thereby increasing overall productivity and minimizing human error.

Skills

- PYTHON
- JavaScript
- C/ C++
- HTML / CSS

Education

SEA COLLEGE OF ENGINEERING & TECHNOLOGY   2023
B.E IN CS-INTERNET OF THINGS, CYBER SECURITY(BLOCK CHAIN)   BANGALORE

DARBAR PU COLLEGE   2022
Karnataka State Pre-University Board PUC - Percentage - 79.66%   VIJAYAPUR

Loyola English Med High School   2020
Karnataka Secondary Education Examination Board SSLC - Percentage -80.16%   VIJAYAPURA

Languages

- ENGLISH
- KANNADA
- HINDI

Declaration

I hereby declare that all the information provided in this resume is true to the best of my knowledge and belief. I understand that any misrepresentation may lead to disqualification or termination of employment.

Mahantesh Biradar