Venkatesh Kumar V

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SUMMARY

Dedicated Software developer skilled in C++, DSA, and full-stack development with hands-on experience in projects like an Event Management Dashboard and Virtual Trial Room. Proven leadership, teamwork, and problem-solving abilities, eager to contribute to innovative software solutions.

EDUCATION

- **SJB Institute of Technology**   **Bangalore, 2021-2025**
  Under the affiliation of Visvesvaraya Technological University (VTU)
  BE/BTech in Computer Science & Engineering *[CGPA- 8.05 /10]*
- **RNS Comp PU College**   **Bangalore, 2020-2021**
  Major in Physics, Mathematics, Chemistry and Biology *[87%]*
- **Matha National English High School**   **Bangalore, 2015-2019**
  State Board - 10th grade *[91.2%]*

PROJECTS

Virtual Trial Room

- Designed and developed a Virtual Trial Room application using **OpenCV** and **MediaPipe**
- Implemented real-time body landmark detection for accurate garment overlay on users
- Leveraged computer vision techniques to simulate garment fitting in live video feeds

AI Voice Assistant

- Developed an AI-powered voice assistant capable of speech-to-text and text-to-speech functionalities
- Integrated **Natural Language Understanding (NLU)** to process and interpret user commands
- Implemented features for **task automation** such as setting reminders and sending emails

SKILLS

- **Programming:** C++, Python, C, Java, Data Structures & Algorithms, HTML, CSS, JS, Object-Oriented Programming
- **Database:** SQL, MongoDB
- **Development:** Git & GitHub
- **Data Science:** Matplotlib, Numpy, Pandas, Jupyter
- **Tools:** Canva, Excel, VSCode, Eclipse
- **Others:** Operating System, Computer Networks, Database Management System
- **Soft Skills:** Communication, Problem-Solving, Teamwork, Time Management

ACTIVITIES

- Organized a coding event at college level