BANGALE VAMSI MOHAN

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⊙ github.com/vamsi652

Education

Keshav Memorial Institute of Technology	**2021 − 2025**
B.Tech in Computer Science Engineering (AIML) **GPA: 8.2/10**	*Hyderabad, India*
Sri Chaitanya Junior College	**2018 − 2020**
Intermediate (MPC) **Percentage: 88.1**	*Kurnool, India*
Keshava Reddy School	**2017 − 2018**
State Board High School **GPA: 9.8/10**	*Kurnool, India*

Projects

Blockchain-based Supply Chain Management for Indian Army   **April 2023 − June 2023**

GitHub Link | MERN Stack, Solidity

- Developed a web application using **MERN Stack**, providing a secure, transparent supply chain management system.
- Implemented **smart contracts** with **Solidity** to manage logistics and supply chain operations, ensuring immutability and transparency.
- Collaborated with a team of 4 to design and test the system, resulting in a 30% improvement in operational efficiency.

Blockchain-based Buyer-Vendor System   **April 2023**

GitHub Link | HTML, Bootstrap, ExpressJS, NodeJS, Solidity

- Developed a buyer-vendor auctioning system using **MERN Stack**, enabling decentralized, transparent transactions.
- Created and deployed **smart contracts** to facilitate secure and automated auctions.
- Enhanced the user interface with **HTML** and **Bootstrap** for better user experience, resulting in a 20% increase in user engagement.

Supply Chain Management for E-Mandi   **March 2024 − May 2024**

GitHub Link | Enterprise Architecture

- Developed the **Enterprise Architecture** document for E-Mandi using **TOGAF Principles**, ensuring alignment with business goals.
- Conducted comprehensive assessments and developed architectural models to optimize the supply chain management process.
- Presented the architecture to stakeholders, receiving positive feedback for clarity and strategic alignment.

Online Proctoring System   **June 2024**

GitHub Link | Python

- Developed a system using **Python, OpenCV, MediaPipe, and sounddevice** for audio and head pose detection.
- Implemented real-time visualization with Matplotlib and created a user interface using Tkinter.
- Utilized Python threading for concurrent execution, with signal handling and logging for robust management.

Skills and Interests

Programming Languages: Java, C/C++, Python, JavaScript, HTML/CSS
Frameworks/Libraries: MERN-Stack, Bootstrap, PyTorch
Tools: Git, GitHub, Operating Systems
Interests: Artificial Intelligence, Machine Learning, Deep Learning, NLP, Ethical Hacking, Web/Mobile Application Development

Certifications

- Project School Certificate Issued by Keshav Memorial Institute of Technology

Achievements and Activities

- **Member**, Abhinaya Drama Club, Keshav Memorial Institute of Technology - 2023
- **The Open Group Enterprise Architecture Competition**, Developed an E-Mandi for farmers ensuring considerable profits using smart contracts - Present