GUMMADAVELLI BHANU TEJA

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TECHNICAL SKILLS

- Languages: Python, Java, C, C++, Node.js, Express.js, jQuery, REST APIs, JS, HTML5, CSS3.
- Tools/Platforms: Azure, GitHub, Tableau, Power BI, VS Code, Figma.
- Python Libraries: TensorFlow, OpenCV, MediaPipe, Tkinter, Scikit-Learn, Pandas, Seaborn, PIL, Matplotlib
- Databases: SQL Plus, MongoDB

EDUCATION

INTERMEDIATE - Hyderabad, India

Narayana Junior College- GPA 9.45   *2020 -2022*

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & BUSSINESS SYSTEMS - Hyderabad, India

Mahatma Gandhi Institute of Technology- GPA 9.1   *Nov 2022 - Expected (2026)*

- **Leadership:** Co-coordinator and Head of Design Team, "Techkriti 2024" Technical Symposium – Led a team, managing the design and execution of promotional materials for an event attended by 500+ participants.
- **Courses:** Data Structures, Programming for Problem Solving, Database Management Systems, OOPS through Java, Data Visualization, Operating Systems, Software Engineering.
- Conducted UI/UX Workshop, exploring various UI/UX tools.
- Secured **Silver Medal** for outstanding academic performance.
- **Diamond Certified Smart Coder** at Smart Interviews.

PROJECT EXPERIENCE

GestureArt - A Virtual Drawing Platform
(Technologies: Python, OpenCV, MediaPipe)

- Engineered a real-time **hand gesture-based drawing system**, enabling users to draw on screen without physical contact.
- Integrated **gesture recognition** to dynamically switch between brushes, colors, and pen sizes — improving UX by over **60%** based on response tests.
- Achieved **85%+ frame processing accuracy** by optimizing **OpenCV** pipelines, ensuring smooth performance at 30+ FPS across standard webcams.

Face Recognition System – Intelligent Biometric Authentication
(Technologies: Python, OpenCV, TensorFlow)

- Implemented a complete face recognition pipeline integrating dataset creation, model training **(ANN & CNN)**, and real-time detection via webcam.
- Achieved over **90% recognition** accuracy on custom datasets by training a **lightweight CNN architecture** optimized for live prediction.
- Engineered a **user-friendly UI** to handle data collection, model training, and recognition – streamlining the end-to-end process for non-technical users.

Edutube – Educational Video Platform
(Technologies: React, Node.js, REST APIs)

- Established a modular educational video platform that increased content discoverability through **customized API integrations**.
- Reduced video buffering time by **~30%** with optimized **API calls** and asynchronous data handling.
- Achieved a clean, responsive UI with enhanced **video recommendation logic**, improving session duration by **25%** in usability tests.

Fundraising Platform
(Technologies: JavaScript, HTML5, CSS)
- Enhanced the platform's architecture by **implementing lazy loading** and code minification, theoretically **improving website loading speed by 40%,** which is expected to lead to smoother user experiences.
- Integrated secure donation forms and real-time progress tracking mechanisms. These features are built to increase user trust and improve the efficiency of the fundraising process when the platform goes live.
- Managed version control and project organization through GitHub, ensuring that the development process is streamlined and the codebase remains clean.

Voice Based Search Engine
(Technologies: JavaScript, HTML5, CSS)
- Developed a voice search engine, focusing on optimizing search algorithms to **reduce response time by 30%**. This improvement is expected to provide a more efficient user experience once deployed.
- Standardized device & browser testing protocols, ensuring consistent functionality across various platforms.
- Utilized GitHub for efficient code management and version control, maintaining a well-organized project structure.

CERTIFICATIONS

- Salesforce Developer Virtual Internship -Salesforce.
- Python Course Completion – Kaggle
- Introduction to Data Science - Cisco Networking Academy®
- Diamond Certified Smart Coder – Smart Interviews
- Problem Solving (Basic) – Hackerrank
- Python Essentials - Cisco Networking Academy®
- Introduction to Cyber Security - Cisco Networking Academy®

INTERNSHIP EXPERIENCE

Organization: Salesforce
- **Domain:** Salesforce Development & CRM Platform
- Completed an internship focused on **Salesforce CRM development**, covering Apex programming, data modeling, and automation tools.
- Gained hands-on experience with **Lightning components**, **Flow & Process Builder** for customization.
- Built and configured CRM workflows, understanding of end-to-end customer lifecycle management.
- Applied Salesforce best practices to develop scalable and maintainable solutions.

Organization: The National Small Industries Corporation Ltd. (NSIC)
- **Domain:** Artificial Intelligence & Machine Learning Using Python
- Delivered assigned modules within the stipulated time frame and met the program's requirements.
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- Successfully completed a internship program focused on AI and ML concepts and their implementation.
- Gained hands-on experience in **AI/ML** techniques, tools under the guidance of industry professionals.

RESEARCH PAPERS

- **"Edutube: A Virtual Tutor"**, *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 14, Issue 5, May 2025.
  DOI: https://www.ijirset.com/upload/2025/may/498_Edutube.pdf