GUMMADAVELLI BHANU TEJA

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Portfolio: www.bhanuteja.xyz

TECHNICAL SKILLS

- Languages: Python, Java, C, C++
- Web Technologies: 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

PROJECT EXPERIENCE

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

- Engineered a real-time hand gesture-based drawing system, enabling **100% touch-free interaction** and tested with **30+ users**.
- 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 seamless **30+ FPS** performance across standard webcams.

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

- Built a face recognition model (dataset creation + ANN & CNN model training) with **<0.5s real-time detection speed**.
- Attained over **90% recognition accuracy** on custom datasets by training a lightweight CNN architecture optimized for real-time prediction.
- Designed a **streamlined UI that reduced setup time by 50%**, enabling non-technical users to collect data, train models, and perform recognition effortlessly.

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

- Established a modular educational video platform that **improved content discoverability by 35%**, with **1000+ educational videos, via API integrations**.
- Reduced video buffering time by **~30%** with optimized **API calls** and asynchronous data handling.
- Crafted a clean, **responsive UI** with enhanced video recommendation logic, **boosting session duration by 25%** in usability tests.

Voice Based Search Engine
(Technologies: JavaScript, HTML5, CSS)

- Developed a voice search engine, optimizing search algorithms to **reduce response time by 30%**, handling **300+ queries in benchmark tests** with **95% voice command accuracy**.
- 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.

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 certain features, which are designed to **boost donor trust** and reduce checkout errors, ensuring a smoother fundraising.

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)*

- Co-coordinator & Head of Design Team, *Techkriti 2024* Symposium – **Directed a 20-member design team** and produced **20+ promotional assets** for an event with **500+ attendees**.
- Conducted a **UI/UX Workshop for 100+ students**, introducing **3 design tools** and improving participants' **prototyping efficiency by 40%**.
- Secured **Silver Medal** for outstanding academic performance.

CERTIFICATIONS

- Salesforce Developer Virtual Internship -Salesforce.
- Database Programming with SQL – Oracle Academy®
- Introduction to Data Science - Cisco Networking Academy®
- Diamond Certified Smart Coder – Smart Interviews
- Python Essentials - Cisco Networking Academy®
- The Complete Full-Stack Web Development Bootcamp – Udemy
- Develop GenAI Apps with Gemini & Streamlit + Build Real-World AI Applications with Gemini & Imagen – Google Gen AI Exchange Program

INTERNSHIP EXPERIENCE

Organization: Salesforce

- **Domain:** Salesforce Development & CRM Platform
- Accomplished an internship focused on Salesforce CRM development, covering Apex programming, data modeling, and automation tools.
- Utilized **Lightning components, Flow & Process Builder** to customize Salesforce solutions.
- Built and configured **10+ CRM workflows**, streamlining customer lifecycle management for mock client records

Organization: The National Small Industries Corporation Ltd. (NSIC)

- **Domain:** Artificial Intelligence & Machine Learning Using Python
- Delivered assigned modules on schedule, consistently meeting program requirements.
- Successfully executed assigned modules promptly while exceeding program expectations.
- Applied **AI/ML techniques** and tools in 3 **projects**, collaborating with 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