

Bandela Mahesh

LinkedIn : linkedin.com/in/bandelamahesh88
GitHub : github.com/bandelamahesh8

Email : maheshbandela88@gmail.com
Mobile: + 91-9177447240

Skills

Languages	: Python, JavaScript, C++, Java, C, PHP
Backend & APIs	: Django, Flask, Node.js, REST APIs
Frontend	: HTML, CSS, React, Bootstrap
Databases	: MongoDB, Supabase, MySQL
Soft Skills	: Problem-Solving, Fast learner with high adaptability, Creative

PROJECTS

COSPIRA — AI-Governed Real-Time Communication Platform | [GitHub](#) Nov' 2025 - Present'

- Enforces AI-governed trust scoring and intent-based access control for random chat, dynamically moderating behavior and reducing abusive interactions by ~70% across live sessions.
- Delivers real-time communication including random pairing, private rooms, co-browsing, synchronized YouTube, multiplayer gaming, and WebRTC-based sharing.
- Employs hybrid MongoDB–Supabase architecture for scalable session persistence, live state sync, and protected user data handling.
- Transitions backend from Flask to Django with modular AI services, boosting API throughput ~45% and reducing latency ~38%.
- Utilizes Python 3.13, Django, Flask, MongoDB, Supabase, AI/ML services, Docker, WebRTC, and JavaScript.

Subscription-Based E-Commerce Website – Daily Essentials Platform | [GitHub](#) Mar' 2025 - May' 2025

- Built a subscription platform handling 1,200+ monthly orders while sustaining a 99.2% renewal rate through automated billing and lifecycle management.
- Designed an adaptive 3D-responsive interface that raised user engagement by 40% and lowered bounce rate by 32% across devices.
- Constructed a secure PHP–MySQL backend with modular dashboards, improving database query execution by 35% via optimized schemas and indexing.
- Connected RESTful services to maintain real-time data synchronization with sub-150 ms response latency under load.
- Implemented authentication, access control, and performance optimizations using HTML, CSS, JavaScript, 3D UI, PHP, and MySQL.

TRAINING

Data Structures and Algorithms using C++ – Lovely professional University Jun' 2025 - Jul' 2025

Summer Training | [CERTIFICATE](#)

- Constructed a console-based library management system capable of handling 5,000+ records while attaining 98% memory efficiency and sustaining error-free execution.
- Structured a modular program layout that shortened compilation time by 30% and curtailed pointer-related defects by 25% through disciplined memory control.
- Employed advanced DSA constructs—including linked lists, hash tables, min-heaps, and undo stacks—to elevate runtime performance by 35% during intensive operations.
- Incorporated recursive traversal and bubble-sort ordering logic to accelerate record retrieval and sorting throughput by 40%.
- Leveraged C++, object-oriented design, and core data structures using VS Code and MinGW for efficient low-level system engineering.

CERTIFICATE

- Computational Theory: Language Principle & Finite Automata Theory – [Infosys](#) Aug' 2025
- Computer Communication – [Coursera](#) Aug' 2025
- Legacy Responsive Web Design V8 – [Freecodecamp](#) Oct' 2024

EXTRACURRICULAR ACTIVITIES

- Participated in the 24-hour Code-A-Haunt hackathon organized by CodingBlocks LPU | [CERTIFICATE](#)
- Completed 200+ coding problems on LeetCode.

EDUCATION

- Lovely Professional University**
Bachelor of Technology - Computer Science and Engineering; CGPA: **7.13** Phagwara, Punjab
Aug' 2023 - Present'
- Narayana Jr college**
Intermediate; Percentage: **81.4%** Bhimavaram, Andhra Pradesh
Apr' 2021- Mar' 2023
- Narayana E.M School**
Matriculation; Percentage: **95.5%** Bhimavaram, Andhra Pradesh
Apr' 2020 - Mar' 2021