Bellamkonda Sai Mukesh Ram

mukeshrambellamkonda@gmail.com | +91 6303992094 | linkedin.com/in/bellamkonda-sai-mukesh-ram-60619731b |
Portfolio: mukeshram-portfolio-main.vercel.app | **GitHub:** github.com/18mukeshram

Career Objective

Passionate and self-motivated aspiring web developer with a strong foundation in HTML, CSS, JavaScript, and Angular/React frameworks. Eager to apply problem-solving skills and continuous learning to build responsive, user-focused web applications and full-stack systems, including the integration of AI-assisted features to enhance learning experiences.

Education

Sri Chaitanya School – SSC
- GPA — 10

Sri Chaitanya Junior College
- *Intermediate — MPC*
- Percentage — 94.7

Vasireddy Venkatadri Institute of Technology
- *B.Tech in Electrical and Electronics Engineering*
- CGPA — 9.06

Technical Skills

Languages: HTML5, CSS3, JavaScript (ES6+), TypeScript, Java, Python
Frameworks & Libraries: Angular, React.js, React Flow, Tailwind CSS, Bootstrap
State Management & Patterns: Zustand, controlled components, unidirectional data flow, render optimization
Backend & APIs: Node.js, Express.js, FastAPI (Python), REST API development, JWT authentication, CORS configuration
Database: MongoDB Atlas, Mongoose ODM
Web Development: Responsive Design, Single Page Applications (SPA), Flexbox, CSS Box Model, Cookies and Local Storage, SCSS/SASS
Developer Tools: VS Code, Eclipse, Git, GitHub, Chrome DevTools, Postman/Thunder Client, npm, Nodemon, Python virtual environments (venv)
Other Skills: Basic SQL; Linux command line basics; Cybersecurity fundamentals; Introductory network tools (Wireshark, Nmap); Graph algorithms (DAG detection, cycle detection)
AI Integration: LLM API integration, structured prompt design, context-aware AI responses, secure backend AI workflows, graceful degradation

Projects

SkillBridge – Personalized Learning Roadmap Platform (Full-Stack) — *React, Tailwind CSS, Node.js, Express, MongoDB, JWT*

Live Project: skillbridge-silk.vercel.app

- Built a full-stack platform delivering personalised learning roadmaps for Frontend, Backend, and Full-Stack developer tracks.
- Implemented secure authentication using JWT with protected REST API routes.
- Designed dynamic progress tracking with step states and automated progress calculation.
- Created detailed step pages with curated learning resources and persistent user notes stored in MongoDB.

- Integrated an AI-assisted learning feature using LLM APIs with secure backend handling.

Node-Based AI Pipeline Builder — *React, React Flow, Zustand, Tailwind CSS, FastAPI, Python*

- Designed and implemented a scalable node abstraction system for building visual AI pipelines using React Flow.
- Built dynamic text nodes with auto-resizing inputs and variable-driven handles using `{{variable}}` parsing.
- Solved complex React Flow and Zustand render-loop issues by enforcing event-driven state updates.
- Integrated a FastAPI backend to validate pipelines, count nodes and edges, and detect DAG cycles using graph algorithms.
- Implemented clean frontend-backend API contracts with proper CORS handling.
- Focused on SaaS-grade UX with Tailwind CSS, centralized styling, and consistent interaction patterns.

Weather Information Web Application — *JavaScript, HTML5, Tailwind CSS, REST APIs*

- Developed a responsive single-page weather dashboard using the OpenWeather REST API.
- Implemented city-based live search with async/await, loading indicators, and error handling.

Student Course Management System (Angular SPA) — *Angular, TypeScript, Tailwind CSS*

- Built a modular Angular SPA using standalone components and modern routing.
- Implemented CRUD features for course and student management.
- Styled a responsive dashboard using Tailwind CSS.

Professional Development

- Completed hands-on training in HTML5, CSS3, JavaScript, Angular, and React.
- Built SPA and full-stack projects using REST APIs and JWT authentication.
- Gained foundations in Python, Java, C, and Kotlin through coursework.

Skills and Proficiencies

- Problem Solving and Logical Thinking
- Time Management
- Adaptability and Continuous Learning

Additional Achievements

- Certifications in Android App Development, Generative AI, IBM SkillsBuild, and Salesforce

Personal Details

Languages: Telugu (Native), Hindi (Intermediate), English (Advanced), Japanese (Elementary)
Hobbies: Reading fiction, Cricket, Chess, Badminton

---

mukeshrambellamkonda@gmail.com | +91 6303992094 | linkedin.com/in/bellamkonda-sai-mukesh-ram-60619731b |
GitHub: github.com/18mukeshram | **Portfolio:** mukeshram-portfolio-main.vercel.app