Varaprasad Maddula

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SUMMARY

Results-driven Frontend Developer with around 2 years of professional experience building and maintaining responsive web applications. Holds a Master's degree in Computing and Information Systems with a strong academic foundation in software development. Skilled in modern web technologies including **HTML, CSS, JavaScript, TypeScript, Angular, Python, and SQL**, with additional exposure to **Machine Learning** out of personal interest. Certified in Python programming (FLM, India). Adept at translating requirements into user-friendly designs, optimizing performance, and collaborating across teams to deliver scalable, accessible, and high-quality solutions. Seeking to contribute expertise in frontend and web development to create impactful digital experiences.

SKILLS

Programming:	Python, C, C++, Java, C#
Technologies and Tools:	HTML, CSS, JavaScript, TypeScript, MySQL, React.js, Angular, AWS, Node.js, SQL, GitHub
Additional Skills:	Basics of Machine Learning and Artificial Intelligence

PROFESSIONAL EXPERIENCE

Frontend Developer
Wipro Limited, Bengaluru, Karnataka, India

Project: IJP (Internal Job Portal)   Dec 2021 – May 2022

- Developed a web application enabling employees to create and update profiles, improving employee self-service adoption by **25%**.
- Built responsive UI components using **AngularJS, HTML, CSS, JavaScript**, reducing page load time by **30%**.
- Integrated REST APIs to display **real-time employee data**, improving data accuracy and consistency.
- Enhanced accessibility & SEO, increasing usability scores by **20%**.
- Collaborated with QA team, reducing post-release bugs by **15%**.

Project: PSP (Personnel Staffing Page)   Jun 2022 – Nov 2022

- Developed modules for tracking **trainings, billings, contacts, and tenure**, adopted by **5,000+ employees**.
- Optimized application performance, reducing average load time from **3s to 1.8s**.
- Ensured cross-browser compatibility and mobile responsiveness across **6+ major platforms**.
- Implemented **role-based access control**, securing sensitive employee data and reducing unauthorized access risks by **40%**.
- Participated in sprint planning and code reviews, improving delivery efficiency by **15%**.

Project: IFP (Integrated Fulfillment Portal)   Dec 2022 – Mar 2023

- Designed and developed features for **project and deliverable management**, used by multiple business units.
- Streamlined workflows with **reusable UI components**, reducing development effort by **20%**.
- Integrated REST APIs for dynamic project updates, improving update latency by **35%**.
- Documented workflows, created user manuals, and supported **smooth knowledge transfer** for new teams.
- Partnered with cross-functional teams, ensuring on-time delivery for **100% of sprints**.

Project: MySkillZ (Rebranded from TrendNXT)   Apr 2023 – Jul 2023

- Assisted in rebranding and redesign, boosting platform recognition and engagement by **30%**.
- Built features for **certification tracking and skill mapping**, helping employees monitor progress more efficiently.
- Enhanced UI/UX navigation and **mobile optimization** for Android & iOS, increasing mobile adoption by **20%**.
- Integrated with internal HR systems for seamless data sync, reducing manual data entry by **50%**.
- Conducted **A/B testing** on redesigned features, improving user satisfaction scores by **15%**, and ensured **WCAG compliance**.

EDUCATION

- **Master of Science in Computing Information System,** YSU, Youngstown, Ohio   Aug 2023 – May 2025
  GPA: 4.0
- **Bachelors in computer science,** Sai Tirumala NVR Engineering College, AP, India   Aug 2016- May 2020
  GPA: 3.26

ACADEMIC PROJECTS

IT Service Management with AI Summarization

- Developed an AI-powered module to enhance ITSM applications by automatically summarizing lengthy service request and incident tickets.
- Integrated OpenAI GPT-4 with the backend to generate concise and relevant summaries, improving decision-making and reducing resolution time.
- Designed and tested custom prompts for summarization and question-answering based on ticket details, achieving 95% accuracy in evaluations
- Built architecture with API integration and MongoDB for storing ticket data, automated sample ticket generation for testing.
- Improved IT workflows by enabling faster ticket triage, enhancing productivity, and ensuring accessibility through template customization.
- Collaborated with a 3-member team: contributed to backend integration, AI model integration, and API connections.

StayFit web Application

- Developed and managed the Admin Dashboard to enable efficient diet plan uploads, user feedback tracking, and personalized diet request management
- Designed and implemented a dynamic diet recommendation system that generated personalized meal plans based on BMI/BMR calculations
- Built backend database architecture to securely store and retrieve user profiles, activity logs, and dietary information
- Integrated feedback and request handling modules to improve user engagement and ensure continuous personalization of diet plans
- Collaborated in full-stack development of the StayFit Android application, contributing to database design, backend logic, and app usability enhancements

RESEARCH INTEREST

- **Data Structures and Algorithms**: Focused on problem-solving and optimization techniques.
- **Artificial Intelligence and Machine Learning:** Exploring applications of AI and ML in real-world scenarios.