Noel Sugandh Motupalli

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LinkedIn: linkedin.com/in/noel-sugandh-motupalli/ | GitHub: github.com/NoelSugandh
Portfolio: noelsugandh.com | **(Open to Relocate)**

Dedicated **Computer Science professional with 5+ years** of experience in building scalable, high-performance applications across web, mobile, gaming, and enterprise platforms. Proficient in **HTML, CSS, JavaScript, Python, SQL, React, and Node.js,** with a focus on creating responsive interfaces and intuitive user experiences. Expertise in **full-stack development**, designing robust back-end systems while optimizing performance for seamless functionality across applications and games. Known for delivering innovative, data-driven solutions under tight deadlines. A **problem-solver** and collaborative team player, thriving in cross-functional environments to create impactful applications. Skilled in tools like **Git, VS Code, Figma, and MySQL,** focused on crafting user-friendly, scalable, and efficient digital experiences. Committed to continuous learning and growth, I excel in challenging, dynamic projects that demand adaptability and technical proficiency.

Professional Experience

Urban Kraft LLC
Front-End Developer - Intern

Newyork, USA
March 2025 – June 2025

- **Engineered scalable, high-performance web application** using **HTML, CSS, and JavaScript**, ensuring seamless cross-browser compatibility, and optimal responsiveness. Developed modular, reusable code to enhance maintainability and scalability across projects.
- Achieved **a 95% client satisfaction rate on the project** by implementing innovative **UI/UX strategies**, interactive animations, and seamless navigation flows.
- Configured and customized **VS Code for efficient development** workflows, integrating Git for version control, debugging tools, and code linting. Implemented automated testing pipelines, ensuring code quality and reducing deployment errors by 25%, which improved team efficiency.
- Built scalable, high-performance front-end systems that powered seamless and efficient digital experiences .
- Trained aspiring developers in modern front-end development, responsive design, and **UI/UX best practices**, covering **HTML, CSS, JavaScript, React, and accessibility**.

Makerspace (IDEA Lab)— Sacred Heart University
IoT Engineer/Front-End Developer

Connecticut, USA
Jan 2024 – Dec 2024

- Engineered **15+ IoT prototypes** leveraging **Arduino IDE and Raspberry Pi**, integrating advanced automation to enhance system functionality by 30% while elevating project aesthetics using **GIMP, Fusion 360, and Tinkercad** for professional-grade designs.
- Developed and programmed **10+ LEGO Educational Sets** using Python and Scratch, incorporating open-source platforms to create interactive STEM-based projects. These initiatives **boosted students** problem-solving abilities by 40%, enriching their grasp of programming fundamentals in educational settings.
- Assembled and **precision-calibrated a Pick and Place machine**, implementing advanced alignment techniques to achieve 98% PCB component placement accuracy. This optimization reduced assembly time by **95%**, significantly improving production efficiency and workflow automation.
- Conducted hands-on training sessions and workshops on modern front-end development, responsive design, and **UI/UX** best practices. Equipped aspiring developers with industry-relevant skills in HTML, CSS, JavaScript, React, and **accessibility-focused design**, fostering a culture of continuous learning and growth.
- Achieved **a 95% client satisfaction rate on the Discover project** by implementing innovative **UI/UX strategies**, interactive animations, and seamless navigation flows. Conducted usability testing to identify pain points and delivered solutions that enhanced the overall user experience.

Uni Integrations (OPC) PVT Ltd   Bangalore, India
MuleSoft Developer   *Jul 2020 - May 2023*
- Designed, implemented, and deployed **RESTful and SOAP** web services for **back-end systems**, reducing integration time by **35%** across multiple projects while maintaining **industry best practices**.
- Executed comprehensive data transformation with DataWeave into **JSON** on the Mule Integration Platform, ensuring data integrity and enhancing security **protocols by 30%**, safeguarding critical business information.
- Developed **complex integration** flows using Mule connectors such as **HTTP, Choice, and Database**, leading to a **40% boost in operational efficiency** and enabling the seamless processing of transactions.

Aaditya Technologies   Hyderabad, India
Software Engineer   *Jan 2019 - Jun 2020*
- Played a key role in **requirements gathering and design phases**, crafting technical designs that streamlined development workflows, leading to a **20% improvement** in project alignment with **client expectations**.
- Developed and deployed dynamic web pages using PHP, enhancing user experience and platform functionality, which contributed to a **25% increase in user engagement**.
- Managed the **deployment process** in a **local environment**, ensuring seamless integration and minimizing deployment-related issues by 15%, while strictly following **industry best practices** in software development.

Projects

Sales Forecasting | *Python, ML, XGBoost, HTML, CSS, SQL*
- Developed a highly accurate sales forecasting model using **XGBoost Regressor**, **leveraging hyperparameter tuning, cross-validation, and feature engineering** to handle complex business variables such as pricing, product attributes, and outlet details.
- Designed a **scalable system architecture** capable of processing **1000+ data points daily**, ensuring adaptability to evolving business needs and seamless integration with existing infrastructure.
- Implemented **advanced data preprocessing techniques and performance optimization**, reducing data processing time by **30%** and enabling real-time demand predictions.
- Built a **responsive web application** using **HTML, CSS, and JavaScript** to visualize forecasts, improving stakeholder decision-making speed by 25%.

Technical Skills

Programming Languages: JavaScript, Python, HTML5, CSS3, C++, C, SQL, TailwindCSS.
Development & Design Tools & Testing: Restful API's, SOAP, Node.js, React, KiCad, Postman, MUnit.
Databases/Cloud/Developer Tools: PostgreSQL, SQL, MySQL, Oracle, GitHub, Git, VSCode, PyCharm, Anypoint Platform Studio, CloudHub, Slack.
Frameworks & Architecture: Restful Services, SOAP, OOPs, Website Development, Machine Learning (ML), Artificial Intelligence (AI),User Interface (UI) Design, User Experience (UX), DataWeave, Google Colab, Jupyter.
Interpersonal Skills: Problem solving, communication skills, attention to detail, continuous learning, organizational skills, teamwork, adaptability, skill development, time management, project planning, client collaboration, leadership, proactive approach, conflict resolution.

Education

Sacred Heart University   Aug 2023 — Dec 2024
Masters in **Computer Science**   *Connecticut, USA*

Mizoram University
Bachelor's in **Information Technology**   *Mizoram, India*