

# Noel Sugandh Motupalli

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Personal Website: <https://noelsugandh.com/> | Github: <https://github.com/NoelSugandh>

## EDUCATION

<b>SACRED HEART UNIVERSITY</b> Master of science (MS) in Computer Science   GPA: 4.00/4.00 <b>MIZORAM UNIVESRITY</b> Bachelor Of Technology, Information Technology	<b>CONNECTICUT, USA</b> 08/2023 – 12/2024 <b>AIZAWL, INDIA</b>
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## TECHNICAL SKILLS

<b>Relevant Coursework</b>	Data Structures & Algorithms, Web Design with JavaScript, Advanced Database Design, Windows Interface Design, Machine Learning.
<b>Programming Languages</b>	Python, HTML, CSS, JavaScript, C++, C#, Mule ESB.
<b>Tools/Platforms</b>	Visual Studio, PyCharm, Postman, Git, Bitbucket, Arduino IDE, PostgreSQL, MySQL, Anypoint Studio, Anypoint Platform, KiCad, Fusion 360, Inkscape, Tinkercad, MSOffice.

## WORK EXPERIENCE

<b>Sacred Heart University: Makerspace (IoT Developer)</b>	<b>01/2024 – 12/2024    CT, USA</b>
<ul style="list-style-type: none"><li>Developed IoT prototypes using Arduino IDE to program Arduino boards and Raspberry Pi devices, integrating advanced features into automation projects. Utilized GIMP, KiCad, Fusion 360 to create professional-grade designs, leading to improvement in project aesthetics and functionality.</li><li>Programmed and assembled over 10 LEGO Educational Sets using Python and Scratch, creating interactive STEM projects that improved problem-solving skills among students.</li><li>Assembled and calibrated Pick and Place machine using precision alignment techniques, achieving 98% placement accuracy for PCB components and improving production efficiency.</li><li>Built and operated 3D printers to produce high-quality prototypes with 0.1 mm precision and used laser cutting techniques to fabricate materials for engineering and design projects, reducing prototyping time by 80%.</li><li>Organized and hosted the 2024 Invitational Science Olympiad, along with over five hands-on workshops, engaging 130+ participants. Managed logistics and led interactive sessions on laser cutting, 3D printing, and T-shirt printing, inspiring students to explore STEM and modern fabrication.</li></ul>	
<b>Uni Integrations (OPC) PVT Ltd, Bangalore (MuleSoft Developer)</b>	<b>07/2020 – 05/2023    KARNATAKA, INDIA</b>
<ul style="list-style-type: none"><li>Certified MuleSoft Developer with 3 years of experience in software development, specializing in Mule ESB and API-led connectivity.</li><li>Hands-on experience in utilizing the Mule Integration Platform to design and implement robust service integrations.</li><li>Proficient in developing and managing RESTful and SOAP web services, with best practices in RAML for API design and development.</li><li>Extensive hands-on experience with DataWeave for data transformation, ensuring seamless integration while maintaining data integrity and security.</li><li>Proven ability to identify, analyze, and develop complex integration flows using Mule connectors, including HTTP, File, VM, DB, JMS, and Database, enhancing operational efficiency.</li><li>Strong collaborative skills with the ability to work effectively in both team-oriented and independent environments, delivering technical solutions that drive business outcomes.</li></ul>	

## PROJECTS

<b>Chef Claude (Recipe Finder App)</b>	<b>React Project</b>
<ul style="list-style-type: none"><li>Developed a recipe finder app that allows users to input ingredients and receive tailored recipes, enhancing engagement with a responsive design.</li><li>Implemented secure API calls to an AI-driven recipe service, ensuring accurate data retrieval and maintaining app reliability.</li><li>Created an intuitive, user-friendly interface to facilitate seamless ingredient input and organized recipe display.</li><li>Integrated real-time data fetching to provide instant recipe suggestions based on user input, optimizing app responsiveness.</li><li>Ensured cross-platform compatibility by designing a responsive UI, providing optimal experience across multiple devices.</li><li>Optimized the app's performance, by ensuring faster recipe generation and smoother user interactions.</li></ul>	