

Noel Sugandh Motupalli

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EDUCATION

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

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

WORK EXPERIENCE

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| Sacred Heart University: Makerspace (IoT Developer) | 01/2024 – 12/2024 CT, USA |
| <ul style="list-style-type: none">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.Programmed and assembled over 10 LEGO Educational Sets using Python and Scratch, creating interactive STEM projects that improved problem-solving skills among students.Assembled and calibrated Pick and Place machine using precision alignment techniques, achieving 98% placement accuracy for PCB components and improving production efficiency.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%.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. | |
| Uni Integrations (OPC) PVT Ltd, Bangalore (MuleSoft Developer) | 07/2020 – 05/2023 KARNATAKA, INDIA |
| <ul style="list-style-type: none">Certified MuleSoft Developer with 3 years of experience in software development, specializing in Mule ESB and API-led connectivity.Hands-on experience in utilizing the Mule Integration Platform to design and implement robust service integrations.Proficient in developing and managing RESTful and SOAP web services, with best practices in RAML for API design and development.Extensive hands-on experience with DataWeave for data transformation, ensuring seamless integration while maintaining data integrity and security.Proven ability to identify, analyze, and develop complex integration flows using Mule connectors, including HTTP, File, VM, DB, JMS, and Database, enhancing operational efficiency.Strong collaborative skills with the ability to work effectively in both team-oriented and independent environments, delivering technical solutions that drive business outcomes. | |

PROJECTS

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