

Noel Sugandh Motupalli

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EDUCATION

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

TECHNICAL SKILLS

Relevant Coursework	Data Structures & Algorithms, Web Design with JavaScript, Advanced Database Design, Windows Interface Design, Machine Learning.
Programming Languages	REACT, Python, C++, HTML, CSS, JavaScript, 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

Sacred Heart University: Makerspace (IoT Developer)

01/2024 – 12/2024 || CT, USA

- 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

- 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

Chef Claude (Recipe Finder App)

React Project

- 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.