VISHWAMSH ARYAN VADLOORI

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# EDUCATION

**University of Texas at Arlington** Arlington, TX

Masters of Science in **Computer Science** Aug 2021-Aug 2023 **Coursework:** Design Analysis and Algorithms, Computer networks, Artificial Intelligence, Software Engineering, Distributed systems, Database systems, Data Analysis and Modelling, Secure Programming, Special Topics in Networking, Advance Topics in Software Engineering

**SKILLS**

**Languages:** Python, Java, C, C++,HTML, CSS, Javascript, ReactJS, .NET Famework, Node.js, Azure.

**Databases:** MySQL, SQL.

**Tools:** Visual Studio, GitHub, Excel, JSON, Microsoft Office.

**Methodologies:** Software Development Life Cycle(SDLC)**,** Agile Methodology

# EXPERIENCE

**Electrical Engineering Intern** Jun 2019 — Aug 2019

Telangana State Power Generation Corporation Limited *Palwancha, India*

* Assisted senior electrical engineers and achieved hands-on experience on coal fire plant power generation and power transformers, circuit breakers.
* Worked on data collection and interpretation to improve system functionality and efficiency and developed an understanding of electrical schematics, one-lines, connection drawings, and PIDs.
* Worked on plant operations, maintenance and optimization and improvement projects.

**Front-end developer** Sep 2024 — Present

Holiday channel *Palwancha, India*

* **Developed a Recipe Scaler Tool:** Designed and implemented a scalable user interface using React, enabling users to dynamically adjust recipes based on desired servings, enhancing usability and user experience.
* **Front-End Integration with JSON Database:** Integrated front-end components with a JSON-based backend to manage user credentials and recipe data, facilitating smooth data retrieval and interaction without the need for an API.
* **Collaborated in a MERN Stack Project:** Contributed to a phase 1 MERN stack project, focusing on UI/UX development and front-end functionality to align with project goals and meet design standards.

# ACADEMIC PROJECTS

## QR Code scanner

* Developed a **mobile application** following Agile methodologies and principles.
* Used Android studio API’s for the development of application.
* Weekly review and peer to peer evaluation was done during development process.

**Automated Sales Data Management System**

* Imported and cleaned sales data from Excel and JSON files, converting JSON data into a format suitable for a SQL database.
* Designed a SQL database schema and wrote scripts to populate it with data from Excel and JSON, ensuring data consistency and integrity.
* Created Python scripts for automated data import and updates, analyzed data using SQL queries, and generated visual reports in Excel.

**“Borrow Me” Library Management System**

* Designed a simplified gadget borrowing system using python and MySQL.
* Used an Iterative incremental SDLC model to implement the project