Sai Teja Karri

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# Education

### **Visakha Institute of Engineering & Technology**

### Graduation, Electrical and Electronics Engineering(EEE) **- 6.89 CGPA** 2017 - 2020

# Skills

* **Front End:** HTML, CSS, Bootstrap, JavaScript, React.js, React Bootstrap, React Icons
* **Back End**: Node.js, Express.js, Core Python
* **API & Web Services:** RESTful APIs
* **Data Base:** SQLite, PostgreSQL, MongoDB
* **IoT & IIoT:** Apache NiFi, Node-RED, RabbitMQ, Kibana
* **Tools & Services:** Postman, VS code
* **Cloud Environment:** AWS cloud.
* **Version Control & Collaboration:** Git, GitHub
* **Methodologies:** DevOps

# Experience

### **Onward Technologies Ltd., Chennai** *-* **Software Engineer**

### Feb 2022 – Ongoing

### *Worked as Software Engineer in IoT & IIoT Team for Client - RNTBCI, Chennai.*

* Designed and implemented backend and data pipelines to automate data movement across various protocols.

#### Developed and maintained web applications using React js, leveraging both functional and class-based components.

#### Employed Postman for API testing and ensuring the correctness of endpoints and troubleshooting if needed.

#### Interacted with clients to gather requirements and ensured smooth deployment and operations across multiple environments.

#### Gained hands-on experience with AWS cloud services like EC2, VPC and S3 bucket.

### **Grid2Chip Pvt.Ltd., Hyderabad** *-* **Site Engineer**

### Feb 2021 – Jan 2022

### *Worked as Site Engineer in Hyderabad.*

#### Worked as a Site Engineer, closely monitoring the data centers infrastructure

#### Understanding concepts in Networking and Hybrid Data Centers and providing drawing to clients using AutoCAD software.

# Projects

### **Project Title:** Kanken Web Application **Technologies Used:** React.js, Node.js, Express.js, RESTful APIs, Apache NiFi, PostgreSQL **Project Description:** Kanken is a responsive web application that allows clients to generate, download, and preview PDF files for user vehicles across manufacturing plants. **Role:**

### Developed functional components for role-based rendering and user-specific PDF list filtering for download and preview from an S3 bucket.

### Designed and developed the backend and data pipeline to process PDF files and handle CRUD operations on S3 using Node.js, Express.js, and Apache NiFi.

### **Project Title:** M2M Uploader Automation **Technologies Used:** React.js, Node.js, Express.js, RESTful APIs, Apache NiFi, PostgreSQL **Project Description:** M2M Uploader Automation is a web application that enables users to register and retrieve details of various protocols such as FTP, AMQP, MQTT, and SFTP on a server, and transfer files to a destination S3 bucket. **Role:**

### Developed the functional component for user registration and retrieval of protocol details.

### Designed and developed the backend and data pipelines to perform CRUD operations via various protocols (FTP, SFTP, AMQP, MQTT) using Node-RED and Apache NiFi.

### **Project Title:** NMT Bulk Transfer Dataflow **Technologies Used:** Apache NiFi, Node-RED, PostgreSQL **Project Description:** NMT Bulk Transfer Dataflow is a scheduler application that receives bulk data from users via FTP, converts CSV data to JSON format, and sends it to a destination S3 bucket. **Role:**

### Designed and developed backend and data pipelines to handle CRUD operations using Node-RED and Apache NiFi.

### Supported database operations including table creation and transaction queries in PostgreSQL.

# Proof of Concept

### **Title:** JSM Church Services Web App Dec 2024

### **Description:** Developed a responsive web application that tracks important church events, service timings, location, lyrics store. Implemented user authentication and authorization using JWT tokens for secure login and access control and OAuth. **Technologies Used:** Node.js, Express, React.js, CSS, react-bootstrap and react-icons, RESTFul APIs, Google OAuth and MongoDB.

### **Link-** [**JSM Church - Link**](https://jsm-church.vercel.app/auth)

## Title: Data Utilities Dashboard Web App Nov 2022

### **Description:** Developed a web application with features allowing users to browse JSON validation, Text comparison, API Testing, ElasticSearch Template generator. **Technologies Used:** Node.js, Express, React.js, CSS, react-bootstrap and react-icons

### **Link-** [**Data Utilities Dashboard - Link**](https://utilities-dashboard.vercel.app/login)

# Certifications

### **AWS Cloud Practitioner Certification** Dec 2024

### The AWS Certified Cloud Practitioner validates foundational, high-level understanding of AWS Cloud, services, and terminology. **Link-** [**AWS Cloud Practitioner Certification - Link**](https://www.credly.com/badges/97bb2dd8-4aac-492a-b5bd-a4e1c8f4b0d1/linked_in_profile)

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## Python & SQL Certification – Hacker Rank Oct 2022

### Certified in technical skills by the Hacker Rank Certification Test **Links-** [**Python**](https://www.hackerrank.com/certificates/fadb67da2856)**,** [**SQL**](https://www.hackerrank.com/certificates/3c8544d87ed2)

## Frontend Course Completion Certification - CCBP Jun 2022

### Course Completion Certification by CCBP Nxt Wave. **Links-** [**Static Website**](https://certificates.ccbp.in/intensive/static-website?id=MVYGYZYNHH)**,** [**Responsive Web Design**](https://certificates.ccbp.in/intensive/responsive-website?id=MKGGFHDAZD)**,** [**Python**](https://certificates.ccbp.in/intensive/programming-foundations?id=ZPWREMDQWI)