Ram Nivane

Wadner Gangai, Maharashtra ,India | +917387873869| ramnivane99@gmail.com

Objective

A curious learner and creative team player, interested in the job role of full Stack Developer where I can utilize myunderstanding of coding and software development to efficiently fulfil the requirements of clients and customers.

Education

- **Bachelor of Engineering –** Department of Electronics and Telecommunication Engineering, Sipna College of Engineering and Technology.Amravati. (2017-2021). Scored -7.64 CGPA.
- **HSC** – Shri Saraswati Mahavidhyalaya, Akot(2016-2017) Scored-56%
- **SSC** – Shri Bhausaheb Pote Vidhyalaya, Akot(2014-2015) Scored-65.60%

Skills

Frontend - HTML, CSS, JavaScript, Typescript, Angular, ReactJS
Programming Languages – C, C++, Python, Java, PHP
Database – MySQL, MongoDB, MariaDB
Framework – Laravel, jQuery, Bootstrap, ExpressJs, Nodejs

Experience

Heta Datain (2021 OCT – Present**)**
Role – Software Engineer.
Responsibilities – Server Administration, Full stack development, Embedded Systems development, Production Support,Data Engineering, Database Administration.

Database Administration:
- Database development and Planning.
- Query Optimizations and performance checks.
- Database backups .
- Query creation for Client Web applications.

Full Stack development
- Project Planning and Documentation.
- Project Stack selection.
- Web services (API) Creation for the Project.
- UI development and integration of Web services
- Third Party Web services integration.
- Sql query creation for the web services.

Server Administration:
- Creation of Subdomains and Projects Deployment.
- Management of Dns Records and firewall Settings.

· Running Python Scripts to Process Project Data.

Embedded Systems development

- · development and Modification of sensor programs.
- · Improvement of algorithms.
- · Monitor and ensure Remote connectivity to the Microcontroller.

Production Support

- · Product error rectifications and Modification.
- · Product Performance improvement.

Data Engineering

- · Application of Python libraries like Pandas and Numpy On csv data to modify and manage data files .
- · Application of MySQL to populate data into database.

Projects

I) Energy and Productivity Monitoring – Real time IoT system to monitor energy consumption, various electrical parameters like current, voltage, power, kWh reading etc. Analysis, and calculating Productivity time for Industrial Machine. Logging and Real timeInforming the Sensitive Electrical events to
clients in order to Manage and control electrical issues.
Database : Raw data generated by IoT devices is populated into database which is then summarised into meaningful data using sqlqueries and that helps clients to understand the information of Electrical trends related to the Project .
Services-
a) SMS and email alerts for overloads and major events to the client.
b) Energy and Production Analysis Dashboard built on angular and laravel with MySQL Stack, Data visualization using various Graphical Methods Key Modules- Individual Parameter Analysis, Daily, Monthly, Yearly Energy and Productivity Analysis, MachineEfficiency .Data Reports PDF and Excel.

II) Smart Water Supply Measurement and Monitoring System- Real time IoT system to Monitor Water Flow Rate, Cumulativeflow daily, monthly and yearly, Water temperature, Pressure , humidity , tds, ph, chlorine.
Database : Raw data generated by IoT devices is populated into database which is then summarised into meaningful data using sqlqueries and that helps clients to understand the information of Water parameters trends related to the Project .

III) Energy Consumption Billing System for Hostels – Real time data monitoring of energy usage by the students to bill them theirconsumption, here the mechanical manual energy meters were replaced with IOT system which improved the bill collection amount. and that made huge profits to the client, this system logged data for approximately 1200 students using 780 rooms.
Database : Raw data generated by IoT devices is populated into database which is then summarised into meaningful data using sqlqueries and that helps clients to bill the energy Consumption and Room occupation management .

IV) Energy Loss Management System – Real-time measurement of losses in energy between relative feeders.
Database : Raw data generated by IoT devices is populated into the database which is then summarised into meaningful data using sqlqueries and that helps clients to find relative losses in energy between relative feeders.

V) Multiple Barcode Scanner Using one Device – Barcodes eliminate the possibility of human error. Using a barcode system   reduces employee training time. Barcodes are inexpensive to design and print. Barcodes provide better data. Data obtained through barcodes is available rapidly.