

Manjula K

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Profile Summary

Results-driven software engineer with 7.6 years of expertise in designing and maintaining innovative solutions. Proven track record in leadership, team inspiration, and driving impactful results in dynamic environments.

Experience

Blue Marble Smartware Pvt, Ltd.

November 2020 – Present

Software Engineer

Chennai

- Demonstrated adept project leadership and team management skills, overseeing the entire project life cycle, from application and database design to development, deployment, and maintenance. Led cross-functional teams to ensure project alignment with objectives and met deadlines.
- Demonstrated expertise in payment processing by successfully implementing and managing the Stripe payment gateway.
- Implemented and fine-tuned the YOLOv7 machine learning model using custom data, showcasing proficiency in adapting the model to specific requirements.
- Leveraged LangChain to enrich my proficiency in advanced QA systems, where I implemented Retrieval Augmented Generation (RAG) with Amazon Bedrock and applied prompt engineering techniques to enhance user experience.

Intech Systems Chennai Pvt, Ltd.

June 2016 – October 2020

Asst. Manager - IT | June 2019 - October 2020

Chennai

PHP Developer | June 2016 - June 2019

- Orchestrated team management, including scheduling, performance assessment, and development support.
- Effectively represented the IT department in management meetings, ensuring a focus on data security and optimal system functionality.
- Spearheaded system optimization initiatives and the development of user-customizable applications.
- Diagnosed and resolved code issues, maintained systems, and actively contributed to the success of interactive projects.

Projects

DAEFODIL (Intelligent Document Processing) | Python, Django, YOLOV7, Mysql, AWS, Pytorch, OCR, Pandas, Stripe

- Designed and developed an AI-powered solution for efficient data extraction from structured and semi-structured documents, enhancing document processing workflows.
- Implemented machine learning algorithms to achieve accurate and reliable data extraction results.
- Seamlessly integrated the Stripe payment gateway into the system, ensuring secure and efficient online transactions for the project.

Koolcal (School Calendar Guide) | Python, Django, Mysql, Firebase

- Developed a RESTful API to facilitate seamless communication with the mobile application.
- Implemented a robust authentication service using JWT tokens to ensure secure user access.
- Executed Google and iOS signup logics to streamline user registration processes.
- Integrated Firebase functionalities for efficient push notifications within the application.

Abaxys Cloud ERP | Jenkins, GitHub, JIRA, MySQL, PHP, AngularJs.

Client: | A.E Blake sales – Canada

- Spearheaded the development of new reports and business functionalities, elevating the system's capabilities.
- Enhanced existing legacy reports for improved performance and relevance.
- Provided client support for business logics and addressed bug fixes in the legacy system.
- Created stored procedures and views for graphical representation on dashboards.
- Implemented new business logics based on client requests, optimizing system efficiency.

DSiRE (Daily Status Report) | Python, Django, Mysql

Client: | *Inhouse*

- Tracking of daily activities and project status for internal purposes.
- Engage with Daefodil to retrieve support inquiries and offer the ability to assign them to developers.
- Incorporates dynamic document generation modules that produce predefined formats, assisting in the creation of datasets.

Project Highlights - Intech: | PHP, CI Framework, API integrations, Mysql, SQL Server, HTML5, CSS, Bootstrap, JS

Dynamic Website and Admin Panel for Intech Chennai | <https://intechchennai.com>

- Developed a dynamic website, Intech Chennai, along with an admin panel, providing a user-friendly online presence for the organization.

Green Initiatives: GRN and Visitor Pass Tracking System | Inhouse

- Implemented a GRN and visitor pass tracking system, successfully reducing paper usage and enhancing overall efficiency in resource management.

ERP System for Internal Processes | Inhouse

- Spearheaded the development of an ERP system catering to all internal processes, streamlining operations and improving organizational workflow.

Petrol Bunk Reward Points System | Inhouse

- Created a mobile application for a reward points system, optimizing customer engagement and loyalty for petrol bunk transactions.

Live Monitoring System for Turbo Energy Ltd(IOT)

- Developed a live monitoring system for Turbo Energy Ltd, overseeing four lines and 17 machines. Generated hourly analysis reports for effective decision-making.

Power Generation Monitoring System for 25 Windmills | Inhouse

- Developed a robust monitoring system for power generation, effectively overseeing 25 windmills and ensuring optimal performance.

Daily Report Sheet and Payment Follow-Up System for Field Engineers | Inhouse

- Implemented a daily report sheet for field engineers and a payment follow-up system, generating comprehensive reports for efficient management oversight.

Fire Alarm System with Alert Notifications | Inhouse

- Engineered a fire alarm system that produces real-time alerts via messages and emails in the event of a fire.

Education

New Prince Shri Bhavani College of Engineering and Technology <i>Bachelor of Technology in Information Technology, (66%)</i>	2011 - 2015 Chennai
Government Higher Secondary School, Velachery <i>Higher Secondary Class-12, (71%)</i>	2010-2011 Chennai
Government Higher Secondary School, Velachery <i>SSLC Class-10, (77%)</i>	2008-2009 Chennai

Personal Information

Age : 28 Yrs.

Marital Status: Unmarried.

Languages Known: English, Tamil.

Nationality : Indian.

Declaration

All the above-mentioned information is true to the best of my knowledge.

Place :

Date :