YASWANTH PANGULURI

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SUMMARY

With a proven 2+ years track record in Software Development I Involved in developing and supporting client-side and server-side applications. Worked extensively with React.js, Nodejs, MongoDB, Express.js, Python, Java.

EDUCATION

Master of Science in Computer Science **Dec 2023**

Wichita State University, Wichita, KS 3.77/4.0

Selected Coursework – Web Programming, Machine Learning, Data Science, Advanced Software Engineering, Image analysis and Computer vision, Advanced Algorithms Analysis.

Bachelor of Technology in Electronics and Computer Engineering **May 2016**

Koneru Lakshmaiah Education Foundation, Guntur, India 8.28/10.0

Selected Coursework – Internet Programming, Object Oriented Programming, Database Systems, Operating Systems, Software Engineering, Machine Learning, Internet of Things, C Programming and Data Structures.

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, SQL, Data Structures.

Web technologies: HTML, CSS, JavaScript, TypeScript, React, Redux, Node.js, Express.

Databases: MySQL, MongoDB, Oracle.

CI/CD and Infrastructure Automation: GitHub Actions, Jenkins.

Cloud Systems: AWS, Storage, EC2, API Gateway, Lambda, DynamoDB.

Machine Learning Algorithms: Classification, Clustering, Regression, Deep Learning.

Software Methodologies: Agile.

IDE/Tools: Microsoft Visual Studio, Eclipse, Git, Unix/Linux, Keil, Arduino.

PROFESSIONAL EXPERIENCE

TATA Consultancy Services (TCS) - Hyderabad, India - Software Developer **Oct 2020 – Dec 2021**

Full Stack Developer:

- Developed web pages using **React**, leveraging the full web stack (**Node.js, Express, MongoDB, REST APIs**)
- Created Reusable **components** for the application.
- Implemented **Redux** for managing and centralizing application state.
- Made API calls with **Rest-API** using **NodeJS**, **Express** and **MongoDB**.
- Successfully implemented version updates via **CI/CD** pipelines, with Git and **GitHub Workflows** and **GitHub** for **version control**.
- Debugged the application using Chrome Inspector.
- Developed **unit test** cases for the developed application using **Jest** framework.

Python Developer:

- Developed Plugins in **Python** for the tool from scratch following **Agile** methodologies, aligning with business logic.
- Implemented and tested, realizing a **50%** performance efficiency boost, and ensuring 100% functionality assurance.
- Automated code execution, enabling the real-time display of data in the Tool UI which reduced **90%** in client debugging hours.
- Architected code for easy enhancement, employing a modular structure and ensuring future scalability.
- Managed version control using **Git** for efficient collaboration and code tracking throughout the project development.
- Reviewed code and debugged bugs for resolving and performed **unit testing** on all the developed modules.

ERP Outsourcing Private Limited, Bangalore, India - Intern **Nov 2019 – Sep 2020**

- Developed practical, real-world Deep Learning and Machine Learning applications, using TensorFlow library.
- Executed thorough cleaning and EDA on the data, ensuring dataset reliability.
- Contributed significantly to the development and analysis of models by continuously refining algorithms. This iterative process was essential in achieving optimal model performance and aligning outcomes with project objectives.

ACADEMIC PROJECTS

Grocery delivery system- React JS, Node JS, and Mongo DB:

- Designed a web application for online grocery shopping, maintaining grocery inventory, and displaying the products.
- Implemented the UI using React JS and **Redux** for state management and backend was developed using **Node.js**, with **MongoDB** serving as the database for robust data management.

Sales Forecasting with Walmart – Multiple Linear Regression

- Developed sales forecasting utilizing linear regression and MLR, RLR, LLR, PNR models.
- The multiple regression algorithm performed better than other algorithms, with the r^2 value of 94.05%.

Rice Leaf Diseases Recognition Using Convolutional Neural Networks – CNN

- Developed a high-performing AI model for Rice Leaf disease recognition using Convolutional Neural Networks (CNNs).
- The developed model is with Training accuracy of 94.78% and validation accuracy of 92.35%.