YASHWANTH PINDI

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MY WEBSITE

Want to know more about me? Visit my Website Developed and Maintained by me: https://yashwanthpindi.com/

OBJECTIVE

Results-driven software developer with proven success in optimizing software delivery pipelines and enhancing product quality through automation. Experienced in leading software development and integration, reducing time-to- market, and driving cost-effective solutions for enterprise clients at Mercedes-Benz, Bosch, and Goldman Sachs.

SKILLS

Technical Skills	Python, C++, MySQL, Scripting (Shell, C, CAPL), Vector CANoe.
Full-Stack Development	HTML, CSS, JavaScript, ReactJS, Python.
Amazon Web Services	AWS EC2, Lambda, Infrastructure as Code (IaC), DynamoDB, Lex, Bedrock.
Tools	Docker, Red Hat Linux, Git, Scrum, Agile, Jenkins, Atlassian (JIRA, Confluence).

EXPERIENCE

Process Automation Engineer (Work-Study)   December 2023 - Present
Mercedes-Benz MBition   *Berlin, Germany*

- **Project 1: Vehicle Abstraction, Safe OS and SW Update**
- C++ Software Development on the Vehicle Abstraction Layer.
- Streamlined test result analysis by developing Python automation scripts, resulting in a 40% reduction in manual testing time and improved efficiency in product releases.
- Automated CI/CD processes using Jenkins and shell scripting, accelerating software delivery cycles by 30% and reducing human error in critical updates.
- **Project 2: Speech Crafters, Mercedes-Benz MBUX Voice Assistant**
- C++ Software Development on the voice assistant system of Mercedes-Benz cars.
- Set up and configured a Docker environment for testing. Docker is used for testing software components, facilitating efficient validation before deployment to physical systems.
- Utilized DLT Viewer to analyze logs, identifying and troubleshooting bugs to ensure robust software performance and reliability.
- Analyzed an Employees database using SQL to generate insights into workforce trends and departmental structure.
- Developed complex SQL queries in data retrieval, aggregation, and report generation to deliver valuable metrics, for employee department listings, tracking different metrics, and management details.

Software Developer   August 2021 - August 2023
Bosch Global Software Technologies   *Bangalore, India*

- C++ software development on Embedded Systems.
- Microcontroller Abstraction Layer (MCAL) Development including OS, RAM, and Stack modules development. The other modules were Startup, Watchdog, Ports and ADC (Analog to Digital Converter) software development.
- Software Integrator: Led the integration of critical software modules, ensuring seamless compatibility before release, which contributed to a 25% improvement in product stability and client satisfaction.

- Developed and implemented the Gateway Mode Manager module, enhancing product security and reducing vulnerabilities by controlling microcontroller mode access.
- Led integration testing of all software modules, ensuring seamless interaction and proper data flow between components. Improved system reliability and reduced defects by verifying end-to-end functionality across modules prior to release.

PROJECTS

Full-Stack Notes Web Application: The Notes Web Application is a Flask-based web application that allows users to create, store, and manage notes efficiently. It integrates with a database to store user information, notes, and authentication data. The app also supports basic user account operations, such as user registration, login, logout, and personalized note management. Github: https://github.com/ypindi/Notes_App_Full-Stack_Web_Application

AutoGPT Essay Generator using LLM: Developed an AI-powered essay generation platform using cutting-edge LLM technology, enabling seamless content creation for diverse user needs while enhancing productivity in research and writing. Github: https://github.com/ypindi/AutoGPT

Own LAMP Server on Rocky Linux 8.10 hosting WordPress: Engineered a fully functional LAMP server on Rocky Linux 8.10 to host a WordPress site. Configured Apache to efficiently manage incoming browser requests, optimized MariaDB for secure and scalable data storage, and implemented PHP for seamless server-side scripting, ensuring robust website performance and stability. Github: https://github.com/ypindi/Own_LAMP_Server_hosting_Wordpress

Prediction of presence of Heart Disease: Engineered predictive models for heart disease diagnosis, improving patient outcome predictions and supporting data-driven healthcare decisions using machine learning techniques. Github: https://github.com/ypindi/Heart_Disease_Prediction_using_Machine_Learning

Office Security using AWS Rekognition: Developed an Office Security System using AWS Rekognition for facial recognition and AWS DynamoDB for employee data management. Implemented a React JS front-end where visitors upload images, which are stored in an S3 bucket. The system uses AWS Rekognition to verify whether the individual is an employee by matching the uploaded image with the employee database, enhancing office security and automating access control processes. Github: https://github.com/ypindi/AWS_Rekognition_Office_Security_System

Unified Messaging and Information System using AWS Bedrock, Lex, Connect and Slack: Developed a Call center mobile application and a chatbot for the organization 'OEV Online Dienste GmbH' for information retrieval about the company using AWS Bedrock, AWS Lex, AWS Connect, and Slack. Github: https://github.com/ypindi/AWS_Bedrock_Information_System

EDUCATION

Master of Science in Professional IT Business and Digitalization, Hochschule fur Technik und Wirtschaft Berlin   Expected January 2025
Relevant Coursework: Data Science, IT Security, Cloud Computing, Mobile Computing and App Development, IoT.

Master of Business Administration (MBA) in Information Technology Systems Management, Narsee Monjee Institute of Management Studies, Mumbai   June 2021 - May 2023
Relevant Coursework: Information Systems Management, IT Project Management, IT Risk Management, Business Analytics, Decision Science.

Bachelor of Technology (B.Tech) in Electrical and Electronics Engineering and Minors in Computer Science, PES University   August 2017 - August 2021
Relevant Coursework: Data Structures, Introduction to Operating Systems, Database Management Systems, Design and Analysis of Algorithms.

LANGUAGE

German	B1 Conversational
English	C2 Fluent
Kannada	Mother Tongue