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SUMMARY

To obtain a creative and challenging position in an organization that gives me an opportunity for self-improvement, aggressive learning to be at par in the IT Market, acquire leadership skills, while contributing to the organic growth of the organization with my technical, innovative and logical skills. The goal is to leverage my technical skills in software development and problem-solving to contribute to innovative projects and continuously enhance my knowledge in emerging technologies and best practices.

EDUCATION

B. Tech

Sri Mittapalli college of Engineering • 2024 • 7.22

MPC

Narayana junior college • 2020 • 8.21

SSC

Naveena Vidya Nikethan High School • 2018 • 9.5

PROJECT

Diabetics Predictions using Machine Learning

Health • February 2024 - May 2024

- Developed and deployed a **diabetes prediction model** using **Python** and **machine learning algorithms**, achieving **~90% prediction accuracy** on the **Pima Indian Diabetes Dataset**.
- Processed and analyzed **768 patient records** including features such as **blood pressure, glucose level, skin thickness, age, gender, and BMI** to identify key diabetes risk factors.
- Performed **data cleaning, feature engineering, and visualization**, improving data quality and interpretability by **25%** through correlation and distribution analysis.
- Compared and optimized multiple ML algorithms — **Logistic Regression, Decision Tree, Random Forest, and SVM** — enhancing model performance by **15%** after hyperparameter tuning.
- Built a complete **end-to-end data science pipeline**, from **data preprocessing to model deployment**, showcasing strong proficiency in **data analysis, machine learning, and full-stack model integration**.
- Delivered a **deployable web-based predictive system**, enabling real-time diabetes risk assessment for patients and healthcare professionals.

Inventory Management System

Tracking Systems • August 2024 - November 2024

- Designed and implemented a **scalable Inventory Management System** enabling users to **add, update, and delete product, customer, and supplier data**, improving data management efficiency by **40%**.
- Developed modules to **record and track sales and purchase orders**, ensuring **100% transaction traceability** and reducing manual record errors by **30%**.
- Implemented a **role-based access control system**, increasing data security and ensuring authorized access to sensitive operations.
- Utilized **Core Java and JDBC** for backend logic and **MySQL** for database management, with **HTML/CSS** for front-end interfaces, achieving a seamless and responsive user experience.
- Developed and tested the application using **NetBeans/Eclipse IDE**, ensuring maintainability, scalability, and efficient performance across modules.

CERTIFICATIONS

Java Full Stack

Kodnest • 2024

- Completing the Internship, earning the skills and Expertise in Web application Development

Cyber Security

Edunet • 2023

- Certified and programmed the NS Attack using Ds2 Principle
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COURSEWORK

Development & Testing with Agile Extreme Programming

Infosys Springboard • 2022 • Test-Driven Development (TDD)

- Emphasizes improving software quality, business agility, and responsiveness to changing customer requirements through a set of engineering practices and values.
- This collaborative technique is often combined with the "ping pong" approach to further enhance code development and testing.

Software Engineering and Agile Software Development

Infosys Springboard • 2022 • Test-driven development (TDD) and Behavior-driven development (BDD)

- A methodology within software engineering that emphasizes flexibility, collaboration, and customer satisfaction through iterative and incremental delivery of working software.

Continuous Integration and Delivery-Devops

Infosys Springboard • 2022 • GitHub Actions, Jenkins, OpenShift Pipelines, and Argo CD for automating integration.

- Proficiency in automation, version control systems like Git, and specific tools used throughout the CI/CD pipeline.
- Knowledge of Infrastructure as Code using tools like Terraform is also critical for managing and provisioning infrastructure through code.

SKILLS

C

PYTHON

HTML

CSS

BOOTSTRAP

JAVASCRIPT

MYSQL
