Mamatha B

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CAREER OBJECTIVE

Final-year engineering student and entry-level software professional with a strong foundation in Frontend Development, SQL (Database), and basic Python. Currently undergoing a Python Full Stack Development internship, gaining hands-on experience in application development, database interaction, and real-world project workflows. Seeking an entry-level software role at company, where I can apply my technical skills, problem-solving abilities, and academic knowledge to deliver high-quality solutions. Known for consistency, dedication, and meeting deadlines, with a strong willingness to learn new technologies, adapt quickly to organizational standards, and contribute effectively to team and project success.

EDUCATION

KNS Institute of Technology 2022-2026 with (8.1) CGPA
B.E - Bachelor of Engineering (computer science engineering)

East West Pre-University College 2022 with (75%)
P.C.M.B – Physics, Chemistry, Mathematics, Biology

Goodwill English High School 2020 with (86%)
Higher primary

SKILS

Programming Languages: python, java(basics).
Databases: SQL (Joins, Subqueries, Constraints) and DBMS Concepts (Normalization, ER Modeling).
Software Development & Tools: Git & GitHub, Jupyter Notebook, VS Code, Eclipse, MySQL Workbench.
Data Structures & Algorithms: Arrays, Linked Lists, Sorting.
Web Technologies: HTML, CSS, Java script (basics), Responsive Web Pages.
Software Engineering Concepts: SDLC, Agile, Testing Fundamentals, SQA (Software Quality Assurance).
Cloud Technologies: cloud Fundamentals, Google Cloud (Basics).
Core Competencies: Structured Problem Breakdown, Workflow-Based Development Approach, Client-Oriented Delivery Mindset, Feedback-Driven Improvement.

PROJECT WORK

➢ **Smart College Student Chatbot**
The Smart College Chatbot System uses Python and machine learning to provide instant, automated responses to student queries regarding courses, fees, and campus activities. It learns from previous interactions to improve its accuracy and handle FAQs efficiently, reducing administrative workload. The system offers a user-friendly interface for students to get real-time assistance, enhancing overall campus communication.

➢ **AI Driven Browser Extension For Website Phishing Detection System**
Developed an AI-based phishing detection system using Python, Flask, and a Random Forest machine learning model to identify malicious websites. Built a Chrome extension for real-time URL scanning that displays clear green/red security indicators to users. Implemented URL-based feature extraction such as URL length, HTTPS usage, and suspicious keywords, and connected the extension to a Flask backend for fast and reliable predictions, enhancing user safety through instant phishing alerts.

CERTIFICATIONS: Artificial Intelligence Fundamentals with Capstone - By IBM