MONISH KUMAR A

ASPIRING SOFTWARE ENGINEER

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OBJECTIVE

Self-motivated and detail-oriented Software Developer with a strong foundation in Python, Java, and SQL. Seeking a challenging role in a dynamic environment where I can apply my technical skills, collaborate with experienced professionals, and contribute to the development of innovative and scalable software solutions while continuously enhancing my expertise.

ACHIEVEMENTS

1st Price - Math Event
Sep 2024
Event Name **-** Numerous Nexus
(National Level Student Symposium)
St. Joseph's Institute of Technology

Student Co-Ordinator
March 2024
7th International Conference on Intelligent Computing (ICONIC 2K24)
Panimalar Engineering College

Event Co-Ordinator
March 2024
Symposium: Intelliconz 2K24
Panimalar Engineering College

Basketball Champions
Feb 2024
Sports Day 2K24
Panimalar Engineering College

EDUCATION

Panimalar Engineering College, Chennai
B. Tech Artificial Intelligence and Data Science
2022 – 2025 (Pursuing)
CGPA - 8.49

Er. Perumal Manimekalai Polytechnic College, Hosur
Diploma in Electronics (Robotics)
2018 – 2021
Percentage - 91%

PROFESSIONAL EXPERIENCE

Service Engineer Trainee

IGM Roboticsystems India Pvt. Ltd. | Chennai, Tamil Nadu
Aug 2021 – Aug 2022

- Installed, maintained, and repaired industrial robots, conducted routine inspections, and performed preventive maintenance to ensure optimal performance and minimize downtime.
- Collaborated with a team to troubleshoot complex technical issues and trained junior technicians on best practices for robot maintenance and repair.

INTERN EXPERIENCE

Full Stack Web Developer Intern

Favit Infotech Solutions™ | Chennai, Tamil Nadu
Feb 2024 - July 2024

- Learning Management System (LMS) using HTML, CSS, JavaScript, which includes features like secure user authentication, course management, and interactive quizzes to enhance the online learning experience. The LMS was developed for a company and deployed in cPanel.

Web Developer Intern

Zigson Technologies Pvt. Ltd. | Bengaluru, Karnataka
Jan 2024 – Jan 2024

- Developed a professional portfolio showcasing my skills and projects using HTML, CSS, and JavaScript

SKILLS

Languages:
Python (Conditionals, Loops, Functions, OOPs, File Handling),
Java (Conditional Statements, Loops, Arrays, Strings, OOPs, File I/O),
SQL (Database Basics, DDL, DML, Data Querying, Database Normalization),
HTML, CSS, JavaScript, PHP.
Frameworks: Flask (Python), Bootstrap.
Software Development: Problem-solving, Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA).
Soft Skills: Team Collaboration, Adaptability, Communication, Critical Thinking.

CERTIFICATIONS

Coursera
Aug 7, 2024
Google AI Essentials

Oracle Certified Professional certification
July 2024
Oracle Cloud Infrastructure 2024 Generative AI

NASSCOM FutureSkilsPrime
February 2024
Data science for the Beginners

Postman API
Jan 2024
Postman API Fundamentals Student Expert

RESEARCH PAPER

Voice-Activated Personal Assistant for Smart Task Automation

Vision Transformer for Automated Diabetic Retinopathy Diagnosis - 2025

Trash to treasure: Bin rewards transforming waste disposal into a rewarding experience - 2024

Image-based graphical password authentication system -2024

INTERN EXPERIENCE

Artificial Intelligence Intern
IBM Skills Network | Chennai, Tamil Nadu, India
Jan 2023 – Jan 2023

- Led a mental fitness prediction project, leveraging Python and advanced data science techniques for data transformation, model optimization, and clear communication of insights.

PROJECTS

Voice-Activated Personal Assistant for Smart Task Automation
- Developed a voice-controlled AI assistant with hotword detection, face recognition, and chatbot integration.
- Integrated smart automation for app control, YouTube playback, WhatsApp messaging, and AI interaction using Python, Flask, OpenCV, and PyAudio.

Image-Based Graphical Password Authentication System
- Created a secure and user-friendly authentication system using image-based graphical passwords.
- Implemented with Flask, PostgreSQL, and image-based graphical passwords.
- Secure image uploads and storage with PostgreSQL, image-coordinate-based authentication for enhanced security, user-friendly authentication process reducing the need for complex passwords, robust security measures to protect user data.

Learning Management System (LMS)
- Learning Management System (LMS) using PHP, which includes features like secure user authentication, dynamic course management, and interactive quizzes to enhance the online learning experience. The LMS was developed for a company and deployed in cPanel webspacekit.

Student Management System (SMS)
- The Student Management System (SMS) streamlines various administrative tasks such as student enrollment, attendance tracking, and academic progress monitoring. It was built using PHP, HTML, CSS, JavaScript, and SQL, and was developed for our Department of AI&DS.

Symptom Checker Chatbot
- Developed a chatbot to assist users in identifying potential health issues based on symptoms described.
- Implemented using Python and machine learning libraries.
- Provides probable diagnoses and suggests next steps or medical consultations