# SHAYAN **PERVEZ**

## SENIOR SOFTWARE ENGINEER

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## SKILLS

- **Languages**: Python, JavaScript
- **Frameworks** & **Tools**: Flask, Django, WordPress, Pytorch, Transformers, Selenium, SocketIo
- **Databases**: SQLite, PostgreSQL, MongoDB
- **Specializations**: NLP, Machine Learning, AI, Cloud Computing (AWS)
- Research Methodologies, Fairness and Ethics in AI, Theoretical Problem Solving

## EDUCATION

### BACHELOR OF ENGINEERING (B.E.) IN ELECTRONICS AND COMMUNICATION ENGINEERING

CMR Institute of Technology, Bengaluru, India - Graduated 2019

## PROFESSIONAL SUMMARY

Accomplished Senior Software Engineer with extensive experience in Python, Flask, Django, and machine learning. Recognized for developing innovative software solutions and advancing AI technology. Demonstrated success in streamlining processes, enhancing system capabilities, and leading high-impact projects. Actively engaged in continuous learning and professional growth in Machine Learning and AI, including participation in major industry conferences, online courses, and contribution to community discussions and open-source projects.

## EXPERIENCE

(Total Relevant Experience- 3.7 Years)

### SENIOR SYSTEM ENGINEER, INFOSYS

Aug,2021 – Dec,2023

- Orchestrated a banking software project utilizing Django framework, resulting in a 35% increase in processing efficiency and a 25% reduction in server response time.
- Innovated with GPT-3 OpenAI and HuggingFace Transformers in automating Selenium Code generation, achieving 80% accuracy.
- Led machine learning initiatives, fine-tuning oprn source datasets models to achieve 65-70% accuracy, enhancing predictive analytics and data processing.
- Designed a RAG-based customer service chatbot for a telecommunications client, improving efficiency and customer satisfaction.

### WEB DEVELOPER, GLOBUS LABS

2020 – 2021

- Developed an e-commerce site using HTML, CSS, and JavaScript, increasing user engagement by 30% and sales by 20%.
- Created and deployed ten WordPress websites for various sectors, improving client web traffic and engagement.
- Implemented responsive design and maintenance protocols, maintaining 99% uptime and optimizing user experience.

# PROFESSIONAL DEVELOPEMENT

Actively engaged in continuous learning and professional growth in Machine Learning and AI, including participation in major industry conferences, online courses, and contribution to community discussions and open-source projects.

# PERSONAL PROJECTS AND CONTRIBUTIONS

- **Advanced SQL Validator (Langchain):** Engineered a tool for translating natural language into SQL commands, utilizing Python and NLP techniques.
- **RAG Language Model Implementation:** Implemented an advanced response generation model to enhance accuracy in NLP applications.
- **Online Resume Maker (Django):** Developed a web application enabling users to create and download professional resumes in PDF format.
- **Blogging Platform (Flask)**: Created a scalable blogging platform, integrating user authentication and content management features.

# HACKATHONS

### THE EXPERIENCE ACCLERATOR

### GENERATIVE AI CONTEST

Participated in the Acclerator Generative AI contest, where I developed an innovative prototype demonstrating the use of Large Language Models (LLMs) in the field of education. The prototype showcased practical applications of AI in enhancing learning experiences and educational content delivery.

### LABLAB.AI

### GEMINI AI CONTEST

Engaged in the Gmini AI contest, where I developed a RAG model for customer service using the GIMINI model. This project demonstrated the application of advanced NLP techniques in enhancing the efficiency and effectiveness of customer service interactions.Developed a RAG model for customer service using the GIMINI model, showcasing advanced NLP techniques.