NIKHIL VYAVHARE

Analyst/ Software Engineer

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EXPERIENCE

Senior Software Engineer

Capgemini

⦿ March 2022 - Present

Technologies: .NET Core · Web API · Angular · HTML · CSS · JavaScript ·Python ·GenAI ·ChatBot

Role and Responsibilities:

- Updated codebases to modern standards by upgrading jQuery and Bootstrap, enhancing functionality and performance.
- Implemented security features, validation, and encoding to address security vulnerabilities and prevent hacking.
- Conducted functional testing and integrated various APIs and databases using ASP.NET Core MVC and Entity Framework Core.
- Managed version control and CI/CD pipelines with GitHub and Azure DevOps to streamline development and deployment processes.
- Developed backend services and APIs with ASP.NET Core and Web API, ensuring secure and efficient data handling and communication.
- Developed chat-based and voice-based chatbots using Cognigy.AI, integrating them with platforms like MS Teams, Telegram, and WhatsApp.
- Applied Natural Language Understanding (NLU) and Natural Language Processing (NLP) for accurate intent matching and improved user interactions.
- Leveraged AI technologies like Retrieval-Augmented Generation (RAG), Vector Databases (Pinecone, ChromaDB), and Large Language Models (LLMs).
- Built AI applications including chatbots, document summarizers, and models for image and text generation.

PROJECTS

Clients:-Willis Towers Watson And BAYER

Software Engineer /.Net Developer

Willis Towers Watson Project

Technologies: Technologies: ASP.NET Core · Entity Framework Core · GitHub · Azure DevOps

Project: Web Application Modernization and API Integration

- Worked on a web application as per client's requirements to enhance user experience and streamline business processes.

Chatbot Development Experience(generative AI)

Bayer Project

Technologies: Python·Cognigy.AI · NLU/NLP · MS Teams · Telegram · WhatsApp · RAG · Pinecone · ChromaDB · LLMs

Project: GenAI Use Cases Collaborations API/ChatBot Development

- Developed chatbots using Cognigy.AI with NLU/NLP integration, connected to platforms like MS Teams and WhatsApp. Skilled in RAG, Vector Databases, and LLMs for AI-driven applications including chatbots and text/image generation models.

SKILLS

- ASP.NET (MVC, Core API), C#, OOPs
- Entity Framework, SQL Server (MSSQL)
- jQuery, Bootstrap 5, HTML, CSS
- JavaScript, TypeScript, Angular v14
- Git, Azure DevOps, SDLC
- Python,FastAPI,AIML,Generative AI,NLP,Image Processing
- Large Language Models (OpenAI, ChatGPT, GPT-4,Gemini)
- Langchain, Hugging Face
- Vector Databases (ChromaDB, Pinecone)
- RAG, Text Vectorization, AI Model Training
- Fine-tuning, MS Bot Framework
- Cognigy AI, Chatbot Development, Azure OpenAI

EDUCATION

B.E. in Mechanical Engineering
Savitribai Phule Pune University   June 2016 – May 2020

Higher Secondary Certificate (HSC)
SNR Jr. College Indapur
Maharashtra State Board   June 2014 – May 2016

Secondary School Certificate (SSC)
Pragati Vidyalaya Loni Deoker
Maharashtra State Board   June 2013 – May 2014

LANGUAGES

Marathi ●●●●●
English ●●●●●
Hindi ●●●●●

CERTIFICATIONS

.Net Certification ●●●●●
Gen AI Certification ●●●●●
Azure AZ-900 Certified ●●●○○
Google Cloud Digital Leader Cr ●●●○○
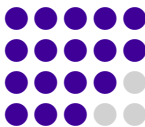
PERSONAL DETAILS

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