

# Sanjay Kumar

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Stoke on Trent, UK | 07424855016 | [sanjaymangrani@outlook.com](mailto:sanjaymangrani@outlook.com) | Portfolio: [Sanjay Mangrani \(click Me\)](#)

## Professional Summary

AI-focused Web Developer with experience in AI-driven applications, sentiment analysis, and machine learning-based solutions. Two years of hands-on experience at BASF Asia-Pacific Service Centre Malaysia, specializing in C# Development, ASP.Net Core, JavaScript, and AI-powered web applications. Strong foundation in Python, SQL databases, and AI-driven software development. IBM AI Developer Professional Certificate holder with expertise in AI, Generative AI, NLP, and Flask-based AI application development.

## Experience

### **DEC. 2023 – DEC. 2024(PART TIME), JUNIOR WEB DEVELOPER, ADWANI MOTORS LIMITED, MIDDLESBROUGH, UK**

- Developed an AI-driven chatbot to assist customers in product searches and query resolution.
- Integrated a machine learning-based recommendation system to suggest relevant vehicle options.
- Implemented sentiment and emotion analysis features to enhance customer insights and feedback mechanisms.
- Assisted in SQL Server database management, ensuring data integrity for AI-driven insights.
- Participated in Agile development, contributing to sprint planning and collaborative development processes.

### **MARCH. 2020 – DEC. 2021, WEB DEVELOPER, BASF ASIA-PACIFIC SERVICE CENTRE SDN BHD, KUALA LUMPUR, MALAYSIA**

- Spearheaded coding, design, and implementation of in-house web application, driving enhanced user experiences and streamlined processes.
- Collaborated with cross-functional teams to gather and understand end-user requirements, translating them into functional and technical specifications.
- Designed the MY Desk KL App, enabling employees to reserve seats for office use during the pandemic. Implemented features like seat allocation optimization, email notifications, and administrative controls.
- Contributed to the development of the APTC Trade Portal in a front-end capacity, applying proficiency in Bootstrap, HTML, CSS, and JavaScript to design user-friendly web pages.

### **INTERNSHIP IN WEB DEVELOPMENT | INFINITE PLUS TECHNOLOGY | FEB. 2018 – MAY. 2018**

- Maintain understanding of current web technologies or programming practices through continuing education, reading, or participation in professional conferences, workshops, or groups.

- Develop databases that support web applications and web sites.
- Collaborate with management or users to develop e-commerce strategies and to integrate these strategies with web sites.
- Design, build, or maintain web sites, using authoring or scripting languages, content creation tools, management tools, and digital media

## Education

- **MASTER'S DEGREE, COMPUTER SCIENCE | (2022 - 2023) | STAFFORDSHIRE UNIVERSITY**
- **BACHELOR'S DEGREE, COMPUTER SCIENCE | (2016 - 2019) | ASIA PACIFIC UNIVERSITY OF TECHNOLOGY AND INNOVATION MALAYSIA (APU / APIIT)**

## Skills

- **Programming & Web Development:** Python, C#, Flask, ASP.Net Core, JavaScript, Vue.js, HTML, CSS, Bootstrap
- **AI & Machine Learning:** Watson AI, TensorFlow, NLP, Generative AI, AI-driven recommendation systems
- **Databases & Cloud:** SQL Server, MySQL, Azure, Flask-based AI application deployment
- **Tools & Agile:** Git, Jira, Rest APIs, Postman

## Projects

- ✓ **AI-Powered Chatbot Application**
  - Developed a chatbot using Flask and AI models to provide intelligent responses to user queries.
  - Integrated a Vue.js frontend with a Flask backend for seamless communication.
  - Deployed the chatbot as a web service, enabling real-time interaction and natural language processing capabilities.
- ✓ **AI-Powered Sentiment Analysis Application**
  - Developed a sentiment analysis app using Watson NLP and Flask.
  - Deployed the application as a web service with AI-driven insights.
- ✓ **Emotion Detection AI System**
  - Created an AI-based emotion detection system to analyze user emotions.
  - Used machine learning techniques to differentiate emotions like joy, anger, and sadness.
- ✓ **Product Safety Hub Korea:**
  - Developed this web project for the business team of Korea to provide a digital solution to increase efficiency on coordination and inquiries from requestors and reduce manual work for providing result to requestor.
  - Manipulating and massaging data from their master excel files and implementing the logics to provide the result to requestors.

✓ **Training Attendance Tracking app:**

- Developed a complete TATA (Training Attendance Tracking app) Web Project for the Berlin HR Team using Outsystems.
- Retrieving the classes details from their Success Factor by calling the SAP OData API.
- Used .Net with Outsystems integration studio for coding the Rest API.
- Implements features such as download report from admin screen, QR Code Scanner for Marking attendance and Generate QR Code for user profile.

✓ **MY Desk KL App:**

- Developed this complete web application by using Outsystems for the employees to book a seat before coming to the office due to the pandemic.
- Different type of Employees (Private, Manager) gets the different seats than normal employees.
- Auto trigger optimization every day to assign the seats to employees and release the seats if doesn't check-in.
- Implements features such as email notification of confirmation seats to employees, upload details and download the reports from admin screen, announcement feature, and asynchronous processes.

## Certificate and Document

- **IBM AI Developer Professional Certificate (Coursera)**
  - Introduction to Artificial Intelligence (AI)
  - Generative AI: Introduction and Applications
  - Generative AI: Prompt Engineering Basics
  - Python for Data Science, AI & Development
  - Developing AI Applications with Python and Flask
  - Building Generative AI-Powered Applications with Python
- Outsystems Associate Reactive Developer
- UK Full Driving License

## Portfolio

[Sanjay Mangrani \(click Me\)](#)

## Relocation

**Flexible and willing to relocate for the right opportunity.**