Louis Salvey

Professional Profile

A dedicated and innovative Software Engineer with a robust background in artificial intelligence, data science, and full-stack web development. Enthusiastic about applying cutting-edge technologies to deliver high-impact solutions. Expertise in chatbot creation, machine learning applications, and overseeing project lifecycles, coupled with a passion for teamwork and continuous skill enhancement.

Core Competencies

Chatbot Engineering: Specialized in the creation of intelligent chatbot systems utilizing frameworks like Rasa and SpaCy. Competent in integrating natural language processing (NLP) to enhance conversational interfaces.

API Engineering: Skilled in the development and maintenance of APIs using Flask, ensuring effective communication between systems and services.

Web Application Development: Proficient in designing and managing web applications using HTML, CSS, PHP, and JEE. Successfully developed and deployed systems such as booking management platforms and academic websites.

Machine Learning Applications: Experienced in implementing and fine-tuning machine learning models using Python. Developed intuitive interfaces and managed real-time data flows using tools like Kafka and Spark.

Data Analytics & Visualization: Adept at constructing sophisticated data visualization tools using Power BI and other advanced analytics platforms. Applied metaheuristic algorithms for the effective analysis and resolution of complex issues.

Project Coordination: Capable of coordinating and guiding software development initiatives, ensuring projects meet deadlines and achieve objectives.

Research & Development: Actively involved in AI and IoT research, with a history of publishing scholarly articles on emerging technologies.

Professional Experience

Software Engineer

[Company Name] | [City, State] | [Start Date] ? Present

Engineered advanced chatbot solutions leveraging Rasa and SpaCy, integrating NLP for superior user engagement.

Constructed and managed APIs via Flask, facilitating seamless system integrations.

Spearheaded the development of web applications using a tech stack of HTML, CSS, PHP, and JEE, including successful implementation of a booking management system and an academic portal.

Implemented machine learning solutions in Python, optimizing algorithms and managing real-time data processing with Kafka and Spark.

Developed and delivered dynamic data visualization dashboards using Power BI, utilizing metaheuristic approaches for problem-solving and optimization.

Led multiple software development projects, ensuring adherence to timelines and project goals.

Contributed to the company?s research efforts by publishing articles on AI and IoT technologies, enhancing its thought leadership in the industry.

Associate Software Engineer

[Previous Company Name] | [City, State] | [Start Date] ? [End Date]

Assisted in the development of APIs and web applications, contributing to various stages of the project lifecycle.

Collaborated on machine learning projects, focusing on data preprocessing and model optimization.

Supported the creation of data visualization tools and participated in research activities related to AI and IoT.

Education

Master of Science in AI and Data Science (in progress)

[University Name], [Location]

Bachelor?s in Computer Science

[University Name], [Location]

DEUST in Mathematics, Physics, and Computer Science

[University Name], [Location]