

# SATYAM JAYSAWAL

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Current Location: Mumbai

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GitHub: <https://github.com/satyamjaysawal>

Portfolio: <https://satyam-portfolio-website.vercel.app>

## SUMMARY

I am a Full Stack Python Developer & AI Engineer with 2 years of experience in web development, specializing in both front-end and back-end technologies. Proficient in computer science principles, developing APIs, and implementing scalable solutions. I demonstrate attention to detail and adherence to best coding practices. Strong in communication and collaboration with cross-functional teams to deliver high-quality products. Skilled in project management, ensuring timely deployment and providing constructive feedback. Adept at problem-solving, staying updated with industry trends, and collaborating effectively on product development, AI solutions, and web architecture. Possesses strong organizational and verbal communication skills, and excels in problem-solving and soft skills.

## EDUCATION

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|---|-----------------------|
| Rajkiya Engineering College Mainpuri                    | CGPA (7.57)           |
| Bachelor of Technology , AKTU UP                        | August 2018-July 2022 |
| S J G S S I C Sahunagar Gaderiha, Jaunpur Uttar Pradesh | Percentage (79.8)     |
| Class 12th (Intermediate) UP Board                      | July 2017-April 2018  |
| S M P Y U M V M K B Shankar Ganj, Jaunpur Uttar Pradesh | Percentage (83.5)     |
| Class 10th (High School) UP Board                       | May 2015-April 2016   |

## SKILLS

- Programming Languages & Tools:** Python, Flask, GenAI, OpenAI, Langchain, Streamlit, Hugging Face  
Core Java, Spring Boot, HTML, CSS, JavaScript, React JS, Node JS, Express JS, Git - (Full Stack Development)
- API Development:** REST APIs, Microservices, API Integration, FastAPI
- Database Technologies:** SQLAlchemy, MySQL, MongoDB, PostgreSQL
- Security:** JWT (JSON Web Token), OAuth
- Version Control & Methodology:** Git, GitHub, GitLab, JIRA, Agile Methodologies (Scrum)
- Cloud Technologies:** AWS (EC2, S3, Lambda), Azure (Azure DevOps, App Services)
- Machine Learning Libraries:** Pandas, Plotly, Matplotlib, Scikit-Learn, TensorFlow, Keras, OpenCV, Seaborn, PyTorch
- Additional Skills:** Design Patterns, DSA (Data Structures and Algorithms), Streamlit, Spring Batch,  
Advance Java, Spring Boot, Hibernate, JSP, Servlets
- GitHub:** <https://github.com/satyamjaysawal>

## CERTIFICATION

- [AWS Cloud Practitioner](#)
- [Azure Administration Associate\(AZ\\_104\)](#)
- [Agile Software Development](#)
- [JSP Servlet JDBC Udemy Certificate](#)
- [Spring-Batch Processing with Spring-Boot](#)
- [Python PCEP Certificate](#)
- [Python, Flask, andSQLAlchemy](#)
- [Google's Gemini AI with Streamlit](#)
- Certificate course on Enhancing Soft Skills And Personality from NPTEL.

## WORK EXPERIENCE

Capgemini-India (Dec 2022-Present)

### Skoda Project - AI-Powered Document Processing Suite

Role: User Support & Developer

- Contributed to the development and optimization of Skoda's AI-powered document processing suite. The suite aimed to enhance communication between customers and the service team by automating document handling tasks such as document analysis, query handling, and data extraction. It streamlined internal workflows and improved decision-making by leveraging AI-driven technologies.
- Ask to Files:** Empowered users to query uploaded documents to extract insights such as summaries, key data, or specific clauses, simplifying document review.

- **Ask to URL:** Allowed users to extract summaries, answers, or insights from web content by entering a URL, enabling quick retrieval of relevant information from online sources.
- **Document Comparison:** Facilitated side-by-side comparison of documents, highlighting similarities and discrepancies, crucial for content review, legal document analysis, and verifying updates or modifications.
- **Tech Stack:** Python (Flask), Streamlit, Azure, OpenAI API, BeautifulSoup, Langchain, Fine-tuning, NLP models, Pandas, SQL.

### **Project: Amplifier Knowledge Mining & GenAIHUB**

*Role: Python Developer & AI Engineer*

- Developed a data-driven application using *Python* and *Flask* for the Amplifier Knowledge Mining & GenAIHUB project.
- Diagnosed and resolved data-related issues to ensure consistent application reliability.
- Applied data-driven improvements to enhance usability and meet evolving business needs.
- Developed new features using *GenAI* and *OpenAI*, improving the application's analytical capabilities and user experience.
- Managed database operations in *MongoDB* and *MySQL*, optimizing queries for enhanced data integrity and performance with *SQLAlchemy*.
- Implemented strong data security measures to minimize vulnerabilities and ensure secure data access.

### **Project: Liberty Mutual Account**

*Role: Java Web Application Support and Maintenance*

- Provided comprehensive support for a web-based application utilizing *Java*, *Servlets*, *JSP*, *Spring MVC*, *Spring Boot*, and *Oracle SQL*.
- Collaborated with the development team to diagnose and resolve issues raised by end-users.
- Implemented bug fixes and enhancements to improve application usability and accommodate changing business requirements.
- Ensured timely resolution of support tickets in adherence to service-level agreements (SLAs).
- Developed custom *Servlets* and *JSP* pages to introduce new features and functionalities.
- Utilized *Spring Core* concepts such as dependency injection to enhance code modularity and maintainability.

## **PERSONAL PROJECTS**

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- Developed and maintained applications using Python with libraries like *Pandas*, *NumPy*, and *Scikit-Learn* for data handling and analysis.
- Created user-friendly and interactive interfaces with *Streamlit* for easy data visualization and exploration.
- Designed and built RESTful APIs using *Flask* to facilitate smooth communication between different applications.
- Utilized *GenAI* and *OpenAI* technologies to create AI solutions, improving data insights and predictive analytics.
- Employed *Langchain* for natural language processing tasks, enhancing text analysis and understanding.
- Managed data storage and retrieval using SQL (*MySQL*) and NoSQL (*MongoDB*) databases, ensuring data safety and performance optimization with *SQLAlchemy* and ORM tools.
- Deployed data science applications on cloud platforms like *AWS* and *Azure*, using services such as *EC2* and *S3* for scalable hosting and storage.
- Integrated *Hugging Face* models for advanced machine learning tasks, improving the accuracy and efficiency of predictive models.
- **Multimodel Gemini AI App-**  
Built a Python and Streamlit app with AI features: chatbot, image captioning, text embedding, PDF chat, and voice assistant. Added audio and video transcription using Google Generative AI and FAISS. [GitHub: Multimodel Gemini AI App](https://github.com/yourusername/multimodel-gemini-ai-app) : <https://gemini-multimodel-app.onrender.com>
- **MakeMyTrip App-**  
Developed a full-stack travel booking app using React.JS, Redux, Node.JS, Express.JS, MongoDB, and Tailwind CSS. Integrated Nodemailer for email notifications and Razorpay for payment processing. Designed APIs for seamless data interaction and used Tailwind CSS for styling. Deployed the application on Vercel for real-time flight and hotel booking. The app includes features like Login, Register, authentication using JSON Web Tokens (JWT), token management, session handling, and cookies. <https://make-my-trip-frontend-shi.vercel.app>
- **CRUD Operation with multiple technologies-**  
Developed multiple CRUD system using Angular JS, Servlet, JSP, Struts, Spring-Boot, Spring-Security, Spring-Batch, Hibernate, JDBC and MySQL. Integrated Bootstrap for a user-friendly UI. [GitHub](https://github.com/yourusername/crud-system)
- **MovieFlix - Movie Review & Discovery Platform -**  
Developed MovieFlix, a movie discovery platform using Flask, MongoDB, and Pandas for data analysis. Implemented a personalized movie recommendation system based on user preferences and movie genres. Integrated secure user authentication, dynamic search, and review functionalities. Deployed the application on Vercel for seamless scalability. <https://movie-flix-app-dataset.vercel.app/>
- **Personal Portfolio-**  
Created a responsive personal portfolio website using HTML, CSS, and JavaScript DOM manipulation. Implemented day and night mode with multiple color templates for the navbar and footer. Incorporated dynamic buttons for enhanced user interaction. Utilized media queries for optimal viewing on different devices. [GitHub : Portfolio](https://github.com/yourusername/portfolio)