

# BANDI JAYA SAI SRIKAR

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## Professional Experience

### Jr. Python Developer, One Paper Lane Inc

2024 May – 2024 Nov

- Implemented OCR solutions for Accounts Payable Interface, boosting data extraction accuracy by 95%.
- Developed 15+ Python scripts, optimizing code efficiency by 30% and reducing processing time and improved Problem Solving ability.
- Designed and maintained MySQL databases with 100,000+ records, improving query performance by 40%.
- Integrated 25+ APIs, increasing system interoperability and functionality by 35%

### Python Fullstack Developer, Teckybot

2024 May – 2024 Jul

- Developed and maintained 10+ end-to-end applications using Python and Django, achieving a 30% increase in deployment efficiency.
- Created 15+ responsive and interactive user interfaces using HTML, CSS, and JavaScript, resulting in a 40% enhancement in user engagement.
- Managed SQL Server, PostgreSQL, and NoSQL databases, optimizing data retrieval speeds by 25% and maintaining 99.9% database uptime.

## Education

**B.Tech in Information Technology, JNTU GV**  
CGPA - 8.1

2021 – 2025

## Skills

### Languages & Frameworks

Python, Java, JavaScript, React, Django, Next.js, HTML, CSS, Streamlit

### AI & ML

TensorFlow, Scikit-learn, Natural Language Processing, GenAI, LLMs

### Databases & Tools

MySQL, PostgreSQL, NoSQL, Git, JIRA, RESTful APIs, SQLite

### Cloud & DevOps

AWS, Azure, CI/CD pipelines

### Others

Data Structures, Algorithms, Agile methodologies, Test-Driven Development

## Certificates

- Apache Spark for Data Engineering and Machine Learning - IBM
- Object detection with Faster R-CNN and PyTorch - IBM
- Deep Learning with TensorFlow - IBM
- DevOps on AWS: Code, Build, and Test - AWS
- Supervised Machine Learning: Regression and Classification - Coursera and Stanford Online
- Microsoft Certified: Azure AI Fundamentals

## Projects

### Face Recognition-Based Attendance Management System

- Designed and developed a comprehensive attendance management system with advanced authentication, role-based access control, and real-time attendance tracking using facial recognition technology.
- Responsive UI, data analytics, and visualization, automated attendance marking, and customizable dashboards for admins, faculty, and students.
- **Technical Expertise:** Python, Django, Face Recognition APIs, Bootstrap, Data Analytics, and Visualization.

### AI-Driven Chatbot with Gemini API Integration

- Developed an AI chatbot with an intuitive dashboard for entering product names and article links, ensuring seamless user interaction.
- Implemented web scraping using BeautifulSoup to extract relevant text from articles, feeding it to Gemini AI for advanced text analysis.
- Integrated Gemini API to create a responsive chatbot interface capable of answering user queries based on analyzed content.

### ResuCraft

- Launched "ResuCraft," an online platform for crafting professional resumes.
- Conducted a pilot study involving 70 participants, achieving a positive response rate of 98%.

### Mobile-First Personal Portfolio

- Designed and developed a responsive portfolio website with Next.js and TypeScript.
- Integrated progressive web app (PWA) features to enable offline functionality and enhance mobile user experience.
- Utilized GitHub Actions to establish a continuous integration and deployment (CI/CD) pipeline.

### Natural Language Query Agent

- Engineered a sophisticated natural language processing (NLP) application adept at comprehending and responding to user queries.
- Utilized Python and fundamental NLP principles to construct, train, and deploy the agent.
- Conducted thorough testing and refinement to enhance performance and maintain precise query management.

### Personal Finance Tracker

- Developed and **deployed** a secure and comprehensive financial management system with JWT authentication, OAuth2, and automated financial health recommendations.
- Real-time expense ratio monitoring, interactive data visualization using Plotly, and robust transaction management with CRUD operations and data validation.
- **Technical Expertise:** FastAPI, Streamlit, SQLAlchemy, Pydantic, Pytest, and Plotly.

## Additional Experience

SMART INDIA HACKATHON 2K23 GRAND FINALE, <i>Team Lead</i>	2023 Sep – 2023 Dec
ACM JNTU-GV STUDENT CHAPTER, SECRETARY	2022 Dec – 2024 Mar
GEMINI API's - Generative AI Workshop, <i>Lead Co-Ordinator</i>	2024 Mar

## Strengths

Problem-Solving

Critical Thinking

Adaptability

Time Management

Problem Analysis