# SIVA KIRLAMPALLI

*Software Engineer | Full Stack Developer | Data Analyst*

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github.com/sivakirlampalli  🔗 https://portfolio-website-rho-eight-44.vercel.app/

## EDUCATION

**Bachelor of Technology - Computer Science and Engineering**  2022 – 2026
*Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India*  CGPA: 8.68/10.0

**Senior Secondary(+2)**  2022
*Vignan Cooperative Junior College, Vadlamudi, Andhra Pradesh, India*  *95.4%*

## SKILLS

**Languages**
Java, Python, C, JavaScript, TypeScript

**Databases**
MySQL, PostgreSQL, MongoDB

**Frameworks**
Streamlit, React.js, Next.js, Express.js, Django, Spring Boot

**Data Science**
Power BI, Pandas, NumPy, Scikit-learn, Matplotlib

**Tools & Platforms**
Node.js, Docker, CI/CD pipelines, Kubernetes, Git, VS Code, Cloud Platform Integration (CPI)

**Domains**
Web Development (MERN), SaaS Applications, Data Science, Machine Learning, Artificial Intelligence

## PROJECTS

**Trading Dashboard [Python, Streamlit]**
- Developed a browser-based trading data visualizer that supports uploading CSV files with stock/crypto data.
- Enabled data preview and interactive line chart plotting (e.g., Close Price Over Time).
- Used Streamlit for fast UI, Matplotlib for plotting, and default data fallback for demo access.

**AI Text Summarizer [Python/NLP/HuggingFace]**
- Built a web-based summarization tool using pre-trained transformer models (bart-large-cnn) from HuggingFace.
- Developed a simple user interface using Streamlit to allow users to paste and summarize long texts.
- Integrated NLP techniques for extracting concise summaries, improving readability and reducing content length.

**User Management API [Node.js/MongoDB]**
- Developed a RESTful backend using Node.js and Express for managing user data.
- Implemented full CRUD operations and structured routing with Mongoose for MongoDB integration.
- Tested API endpoints using Postman for request validation and error handling.
- Gained hands-on experience in backend logic, database modeling, and real-time data interaction.

**Parsing of Social Media Feeds [React.js/Python(Django)/Selenium]**
- Developed an automated tool to extract posts and profile data from platforms like Instagram, Facebook, and Twitter using Selenium in Python.
- Implemented logic to skip posts without captions and capture full-page screenshots, improving performance and relevance.
- Used PDFKit to generate structured forensic PDF reports containing screenshots and metadata for investigation purposes.
- Handled backend workflow automation with Django and built a user-friendly interface using React.js.

## PROFESSIONAL EXPERIENCE

**AICTE,** *Java Full Stack Developer Trainee — AICTE (Remote)*  01/2025 – 03/2025 | India
- Completed certified training in Java Full Stack Web Development.
- Gained hands-on experience in Spring Boot, REST APIs, JSP, JDBC, and MySQL.
- Built mini-projects showcasing CRUD operations and responsive UI design.

## KEY ACHIEVEMENTS

**Reliance Foundation Undergraduate Scholarship**
- Awarded for academic excellence and performance among top UG engineering students in India.

**Smart India Hackathon Finalist**
- Contributed as a core team member in developing an automated forensic investigation tool, which reached the final jury round in a national-level competition.
- Designed a solution to parse social media data, capture full-page evidence, and generate structured reports for legal use.
- Presented the tool to the Ministry jury, showcasing its application in real-world digital forensics.

## CERTIFICATIONS

**Smart India Hackathon Grand Finale**
Recognized for leading a national-level team project solving a real-world legal investigation problem through automation.

**Java Full Stack - Eduskills**
Acquired proficiency in Java backend development, front-end integration, and database handling for full-stack applications.

**Python Foundation - Infosys Springboard**
Gained solid understanding of core Python syntax, functions, control structures, and basic OOP concepts.

**Data Analytics and Visualization - Forage**
Explored data cleaning, analysis, and visual storytelling using industry tools and methods applied to business case studies.