BSV SASI SUNDAR

AI/ML ENGINEER | FULL STACK DEVELOPER | LLM & GENERATIVE AI PRACTITIONER

Pendurthi,Visakhapatnam, A.P, 531173

7989037427 | sasisundhar2211@gmail.com | www.linkedin.com/in/bsv-sasi-sundar
https://github.com/Sasisundar2211 | https://sasisundar.netlify.app/

PROFILE

AI/ML Engineer and Full Stack Engineer with a background in building and deploying production-grade intelligent systems. Skilled in Python, TensorFlow, PyTorch, scikit-learn, and model deployment with FastAPI and Docker. Experienced with REST APIs, preprocessing of data, feature engineering, and ML model performance metrics with precision, recall, and F1-score. Familiar with MLOps, CI/CD pipelines for ML, and version control. Currently researching Generative AI, LLMs, LangChain, Hugging Face Transformers, and prompt engineering for real-world AI applications.

EDUCATION

Potti Sriramulu Chalavadi Mallikarjuna Rao Engineering College And Technology   **Sep 2023 - 2027**
BACHELOR OF TECHNOLOGY(B.TECH), Artificial Intelligence And Machine Learning   *Kothapeta,Vijayawada*
  •**GPA:** 8.2
  •**Coursework:** AIML

Behara Defence Academy And Junior College   **Sep 2021 - Mar 2023**
INTERMEDIATE, MPC   *Kotyada,Vizianagaram*
  •**GPA:** 77.4%
  •**Achievements:** Best Student Of the Year
  •**Coursework:** MPC

Sriprakash Vidyaniketan   **Sep 2020 - Mar 2021**
SCHOOLING   *Prashanthi nagar,Pendurthi*
  •**GPA:** 72%

SKILLS SUMMARY

- **PROGRAMMING LANGUAGES**: Python, Javascript, TypeScript
- **ML & Frameworks**: TensorFlow, PyTorch, Keras, Scikit-Learn, ML Flow, HuggingFace Transformers, Express.js, React, MLflow
- **Data & Analytics**: Pandas, Numpy, MySQL, Excel, Tableau, Data Cleaning, Feature Engineering
- **Deployment**: FastAPI, Flask, Netlify, Vercel, Github Pages, Rest APIs
- **PLATFORMS & Tools**: Github, HuggingFace, Google Colab, Kaggle, AWS, Netlify, Vercel, Github Pages, Anaconda, Jupyter notebook, VS Code, Anaconda
- **SOFT SKILLS TOOLS**: Analytical Thinking, Effective communication in collaboration, Collaboration
- **Emerging Technologies**: Generative AI, LLMs, Lang Chain, Prompt Engineering, Production-grade Systems, MLOps

PROJECTS

AI RESUME SCREENING & RANKING :   **Feb 2025 - Mar 2025**
https://github.com/Sasisundar2211/AI-Resume_Ranking-app

AICTE
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REAL TIME CHAT APPLICATION : | https://github.com/Sasisundar2211/Chat_Application   **Feb 2024 - Apr 2024**
Mentorkart
  •Made a live chat application using Node.js, so messages are sent quickly.
  •User authentication was put in place to make sure access was secure as well as chat sessions were personalized.
  •The UI was carefully developed with HTML, CSS, and JavaScript. User experience across devices was considerably improved.
  •Group chat was implemented so a lot of users are able to talk at once.

PERSONAL PORTFOLIO: | https://github.com/Sasisundar2211/Personal_portfolio   **Jan 2025 - Present**
- Made a flexible individual portfolio website for the highly successful display of projects as well as tech abilities.
- Clean UI/UX design was implemented using HTML, CSS, and JavaScript. This thoroughly guaranteed a modern and remarkably user-pleasant interaction.
- It has superb performance and is fully accessible, guaranteeing quick loading and overall mobile compatibility for many people.
- Built and deployed a mobile-responsive personal portfolio to showcase ML and full-stack projects.
- Optimized for speed, SEO, and accessibility. Linked to GitHub for live project updates and commits.

•Deployed via Netlify and GitHub Pages.

Generative AI + LangChain Projects (Independent) | In Progress | Personal Projects
•Created multiple prototypes using Hugging Face Transformers for summarization, text generation, and classification.
•Implemented LangChain-based pipelines for chaining LLM responses and integrating vector databases (FAISS).
•Designed prompt engineering workflows for resume analysis, chatbot tasks, and custom knowledge retrieval.

CERTIFICATIONS

•**FULL STACK DEVELOPMENT CERTIFICATION**: Completed: June 2024

- Learned how to build complete web apps from scratch, working with both frontend and backend tools as part of an intensive fullstack development course.
- Designed and developed a real-time chat application for my final project, using React, Node.js, Express, and MongoDB to create a smooth user experience with secure login and dynamic messaging.
- Got hands-on with key web dev concepts like API integration, routing, and state management, while also learning how to debug, test, and deploy applications effectively.
- This project helped me better understand how real-world apps are structured and gave me confidence working across the full stack.

• **DATA ANALYTICS**: Completed a Deloitte job simulation involving data analysis and forensic technology
  Created a data dashboard using Tableau.
  Used Excel to classify data and draw business conclusions.

• **QUANTITATIVE RESEARCH**: Completed a simulation focused on quantitative research methods.
  Analyzed a book of loans to estimate a customer's probability of default.
  Used dynamic programming to convert FICO scores into categorical data to predict defaults.

• **Python Programming**: Completed an in-depth course on Python, mastering core concepts like data structures, algorithms, and object-oriented programming.
  Applied Python to solve real-world problems, including data analysis, automation, and scripting, showcasing strong problem-solving and coding skills.

• **AI/ML Intern**: – BITS Pilani Hyderabad Campus
  June – July 2025 | 7 Weeks
  Took part in a competitive AI/ML internship, working alongside researchers and industry mentors to solve real-world problems using machine learning.
  Built and tested data-driven models with a focus on solving practical challenges, often collaborating in small teams to ideate and prototype solutions.
  Deepened my understanding of key ML concepts like supervised and unsupervised learning, model tuning, and algorithm optimization through hands-on projects.
  Got firsthand experience with the messy reality of deploying models—handling imperfect data, evaluating trade-offs, and thinking through ethical implications.

• **AI Intern – TechSaksham (Microsoft & SAP CSR Program)**: AICTE & Edunet Foundation | 2025
  Took part in a national AI internship program designed by Microsoft and SAP, where I explored how artificial intelligence can be used to solve real-world challenges.
  Learned through a mix of hands-on projects and mentor-led sessions, focusing on building AI solutions that drive social impact.
  Worked with tools and platforms used in the industry to better understand how AI is applied in fields like education, sustainability, and public services.
  Developed a deeper appreciation for ethical AI practices and how to approach problem-solving with both technology and responsibility in mind.