

JASMANJOT SINGH SARNA

AI/ML Engineer | Full Stack Developer | Data Analyst

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LinkedIn | GitHub | Portfolio

SUMMARY

Final-year B.Tech Computer Science (AI & ML) student with experience in AI/ML engineering, full-stack development, and data analytics. Built LLM-powered chatbots, KPI dashboards, multi-agent research workflows, and deployed machine learning applications. Experienced in Python, SQL, model evaluation, prompt engineering, and end-to-end application development.

EDUCATION

JECRC University

B.Tech in Computer Science & Engineering – Artificial Intelligence & Machine Learning

Jaipur, Rajasthan

2023 – 2027

INTERNSHIP EXPERIENCE

Lavelda Coffee Beans

AI Full Stack Developer

Remote

Mar 2026 – Aug 2026

- Developed and deployed OpenAI API-powered chatbots to automate customer support and product inquiries; designed prompt workflows to improve response relevance and quality.

AppGallop Pvt. Ltd.

Data Analyst Intern

Remote

Feb 2025 – Jan 2026

- Preprocessed and explored datasets using Python and Pandas; built Power BI KPI dashboards to turn raw data into structured business insights.

Samatrix Consulting Pvt. Ltd.

Summer Intern

Remote

Jun 2025 – Jul 2025

- Cleaned and transformed real-world datasets using statistical techniques to prepare data for downstream analysis.

TECHNICAL SKILLS

Generative AI: OpenAI API, LangChain, RAG, Multi-Agent Systems, Prompt Engineering

ML & Deep Learning: Scikit-learn, PyTorch, TensorFlow, CNNs, BiGRU, Regression, Classification, Model Evaluation

Full Stack: React, Next.js 15, TypeScript, NestJS, Node.js, REST APIs, PostgreSQL, Redis

Data Analytics: Python, Pandas, NumPy, SQL, Power BI, EDA, Statistical Analysis

Tools: Git, npm, Turborepo, Google Colab

PROJECTS

CareerOS – AI Career Operating System | *React, Next.js 15, NestJS, PostgreSQL, Redis, OpenAI API* May 2026 – Present

- Developed frontend and backend components for a 10-module SaaS platform, including AI Resume Suite, Interview Suite, and Job Tracker; integrated OpenAI API features for AI-assisted resume building.

Multi AI Agent Research System | *Python, LangChain, GPT-4o-mini*

2026

- Built a multi-agent research pipeline with search and reader agents collecting information, while writer and critic agents synthesize findings into structured reports.

Mind Scroll AI | *Python, Pandas, Scikit-learn*

GitHub | Live Demo

- Built an end-to-end regression system using 4,998 student records to predict mental-health scores from digital habits and lifestyle features.
- Compared Linear Regression and tuned Random Forest after preprocessing, encoding, scaling, and log transformation; achieved $R^2 = 0.864$ and MAE of 0.371 with Random Forest.
- Deployed interactive predictions, model insights, What-If simulations, exploratory dashboards, and PDF reporting.

CardioDetect AI | *Python, Pandas, NumPy, Scikit-learn*

GitHub | Live Demo

- Built a K-Nearest Neighbors cardiovascular disease classifier using 918 patient records from the UCI Heart Disease dataset.
- Implemented imputation, encoding, and scaling; achieved 86.41% accuracy and 0.927 ROC-AUC, evaluating precision, sensitivity, and confusion-matrix results.
- Created an interactive platform with real-time predictions, patient similarity analysis, What-If simulations, dataset exploration, and model interpretability.

CERTIFICATIONS

Meta Full Stack Developer Professional Certificate (Coursera) | IBM AI Engineering Certificate (Coursera) | IBM Data Scientist Professional Certificate (Coursera)