

Srijan Sundaram

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EDUCATION

- Bharati Vidyapeeth, Department of Engineering and Technology** Navi Mumbai, Maharashtra
Bachelor of Technology (CSE - AI/ML); GPA: 6.72 Aug 2023 – Aug 2027
Courses: Data Structures, Analysis of Algorithms, Artificial Intelligence, Machine Learning, Deep Learning, Big Data, DevOps
- Sun Shine Residential Public School** Patna, Bihar
Senior School Certificate Examination (12th); 73.6% 2021 – 2023
- Gyan Bharti Public School** Darbhanga, Bihar
Secondary School Examination (10th); 61.2% 2019 – 2021

SKILLS SUMMARY

- AI/ML Development:** Deep Learning, Computer Vision, Generative AI, LLMs, Prompt Engineering, PyTorch, TensorFlow, scikit-learn
- Software Engineering:** Python, JavaScript, SQL, Java, R, Flask, FastAPI, NodeJS
- Cloud & Data Infrastructure:** AWS, Google Cloud, Docker, PostgreSQL, MySQL, Firebase, Google Cloud Run, Git
- Data Science & Visualization:** Pandas, NumPy, OpenCV, Streamlit, Hugging Face, OpenAI APIs, Predictive Modeling, D3.js

EXPERIENCE

- Innovexis** Remote
AI & Data Analytics Intern Jul 2026 – Present
 - Collaborate on client-focused AI and analytics initiatives, applying predictive modeling and automation techniques to support business intelligence deliverables
 - Analyze business problems through a data-driven lens, using machine learning techniques to inform and strengthen client decision-making workflows
- BooleanSyndicate** Hybrid
Technical Head (Part-time) Jul 2025 – Jan 2026
 - Mentored 50+ students in programming, project development, and hackathon preparation
 - Led technical sessions and peer-learning initiatives over 6 months, guiding students through real-world software development challenges

PROJECTS

- DeepShield (Deepfake Detection System, Deep Learning, Computer Vision, Web App)**
 - Built a production-grade deepfake detection system using a three-model ensemble (XceptionNet, EfficientNet-B4, ViT), achieving **90.1% accuracy** and **0.9517 AUC-ROC** on unseen DFDC benchmarks after training on **140,000+ images** across **6 datasets**
 - Included Grad-CAM explainability, multi-face detection, frame-by-frame video analysis with audio-visual sync, FFT frequency forensics, and a FastAPI REST API; deployed on Hugging Face Spaces. **Tech:** Python, PyTorch, ViT, Streamlit, FastAPI, OpenCV, InsightFace, Grad-CAM
- Intelligent Rooftop Solar Potential Assessment System (AI, Computer Vision, Cloud Deployment)**
 - Developed and launched an AI-powered rooftop solar assessment platform that analyzes satellite imagery to estimate solar potential and recommend optimal panel layouts
 - Integrated AI-based roof segmentation, installation recommendations, and ROI/financial analysis into an interactive web app. **Tech:** Python, Streamlit, OpenRouter API, OpenCV, TensorFlow, Docker
- Flow Compiler (Compiler Design, Data Pipelines, AI-Assisted Development)**
 - Engineered a lightweight domain-specific compiler that converts human-readable **.flow** scripts into optimized Python (Pandas) data pipelines, condensing common filter-groupby-aggregate workflows into scripts roughly **half the length** of equivalent Pandas code
 - Built lexical parsing, AST generation, semantic validation, AI-powered syntax correction, and pipeline chaining; published a VS Code extension for syntax highlighting. **Tech:** Python, Pandas, Rich, Regex, CLI, VS Code API
- ChronOS (CPU Scheduling Simulator, Operating Systems, Data Visualization)**
 - Created an interactive CPU scheduling simulator supporting 4 scheduling algorithms FCFS, SJF (Preemptive & Non-Preemptive), Priority, and Round Robin algorithms with configurable quantum
 - Implemented real-time D3.js Gantt charts, multi-core simulation, and performance metrics (utilization, throughput, turnaround time). **Tech:** HTML5, CSS3, JavaScript, D3.js, jsPDF, Netlify

CERTIFICATIONS

- Build with AI Bootcamp - Google for Developers** June 2026
- LLM Engineering: Master AI, Large Language Models and Agents - Udemy** Jul 2025
- AI & Machine Learning Workshop - IIT Delhi / World Technocon** May 2025
- Google Cloud Study Jam - Google** Jan 2024
- IBM Z Day 2024 - AI & Data Certificate** Oct 2024
- IBM Z Day 2024 - Z Skills Certificate** Oct 2024
- GDG on Campus Solution Challenge - GDG** Aug 2025

AREAS OF INTEREST

Artificial Intelligence, Machine Learning, Generative AI, Computer Vision, LLM Engineering, Data Analytics, Backend Development, Cloud Computing