Srijan Sundaram

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EDUCATION

Bharati Vidyapeeth, Department of Engineering and Technology Navi Mumbai, India
Bachelor of Technology (CSE - AI/ML); GPA:7.37 *August 2023 - August 2027(expected)*
Courses: *Compiler Construction, Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

SKILLS SUMMARY

- **Languages**: Python, PHP, JavaScript, SQL, JAVA, J2EE
- **Frameworks**: Flask, NodeJS, FastAPI, Chart.js, Sigma.js, Streamlit, Gradio, TensorFlow, PyTorch
- **Tools**: GIT, PostgreSQL, MySQL, Docker, LLM APIs (OpenAI, Hugging Face)
- **Platforms**: Web, Windows, Arduino, GoogleCloud, Firebase
- **Soft Skills**: Leadership, Public Speaking, Time Management

EXPERIENCE

BooleanSyndicate Hybrid
Technical Head (Full-time) *Jul 2025 - Present*
- **About BooleanSyndicate**: A community-driven group focused on mentoring freshers in coding, project development, and hackathon participation to help them build strong technical foundations.
- **Impact**: 50+ students enrolled so far, with an average rating of 4.65/5, helping many freshers gain hands-on experience in projects and problem-solving skills.

PROJECTS

- **Flow Compiler (AI Syntax Correction, Code Generation, CLI, VS Code Extension)** : Designed and developed a domain-specific compiler that converts .flow scripts into executable Python pipelines. Features include AI-powered syntax correction, semantic validation, pipeline chaining, and CLI execution. Published a VS Code extension offering syntax highlighting, file icons, and debugging support for .flow files. Tech: Python, Pandas, D3.js, VS Code API, JSON, CLI, Regex, AI Hooks, Git, Markdown

- **ChronOS (CPU Scheduling Simulator, Visualization, Multi-Core, PDF Export)**: an interactive web-based simulator that visualizes CPU scheduling algorithms including FCFS, SJF (preemptive non-preemptive), Priority, and Round Robin. Features include real-time Gantt chart visualization, multi-core simulation, algorithm comparison, light/dark themes, and PDF report export. Emphasizes performance metrics such as waiting time, turnaround time, and CPU utilization. Tech: HTML, CSS, JavaScript, D3.js, jsPDF, Netlify, Git

- **Intelligent Rooftop Solar Potential Assessment System (AI, Machine Learning, Web Development, API Integration, Data Visualisation, Cloud Deployment)** : Analyse satellite imagery of rooftops to evaluate solar energy potential, recommend installation specifications, and provide ROI estimates using AI. Tech: Python, Streamlit, OpenRouter API, Hugging Face Spaces

- **JourneyExpress - Railway Management System (Web Development, Database Handling)**: The project aims to simplify railway operations and improve the overall experience of passengers and staff by automating ticketing, availability checks, cancellations of reservations, and administrative tasks. Tech: HTML, CSS, JavaScript, Java, MySQL

- **Mapty - Personal Workout Tracker with Geolocation (Web Development)**: **Mapty** is a location-based workout tracker that logs activities such as running and cycling, pins workouts on a map, and saves data locally in the browser for easy access and privacy. Tech: HTML, CSS, JavaScript, Geolocation API

- **Number Ninja - Guess the Number Game(Web Development)**: Number Ninja is an exciting game where players have six chances to guess the correct number. With engaging graphics and a thrilling challenge, victory is earned by guessing the right number within the given attempts. Tech: HTML, CSS, JavaScript

CERTIFICATIONS

- **LLM Engineering: Master AI, Large Language Models and Agents - Udemy** *Jul 2025*

- **GDG on Campus Solution Challenge - GDG** *Aug 2025*

- **The Complete JavaScript Course 2025: From Zero to Expert - Udemy** *Jan 2025*

- **JavaScript Training - Spoken Tutorial** *Jan 2025*

- **Introduction to PHP - Simplilearn** *Apr 2024*