

SHRAVAN JINDAL

+917696591026 shravanjindal@gmail.com LinkedIn Github

EDUCATION

Degree	Institute/Board	Grades	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	7.00 (Till 5th sem)	2022-2026
Senior Secondary	Central Board of Secondary Education	97.2%	2022
Secondary	Central Board of Secondary Education	92.8%	2020

TECHNICAL SKILLS

- Programming Languages:** C/C++, Python, JavaScript, Typescript, Java, Dart.
- Development:** Flutter, NextJs, ReactJS, ExpressJS, MongoDB, postgres, git, github, linux, LangChain, Hugging Face.
- ML:** PyTorch, Scikit Learn, Tensorflow, LLMs, NLP, OpenCV, MNE, numpy, pandas, matplotlib, seaborn.

EXPERIENCE

- XYROMATICS Automation Solution Pvt. ltd.** July 2024 - September 2024
Machine Learning Lead On-site || Github
 - Contributing to a startup focused on predictive maintenance for machines, specializing in machine learning.
 - Working extensively with raw time series data from accelerometers and analyzing vibrations in time and frequency domain.
 - Developing classification algorithms to predict different types of faults and their severity stages for early warning.
- IKSMHA | IIT Mandi** May 2024 - July 2024
Research Intern On-site || Github || LOR
 - Expanded my knowledge of Python libraries for EEG data processing like MNE, gaining valuable insights.
 - I enhanced my expertise in time-frequency analysis. Using ITPC, ISPC to analys phase connectivity among electrodes.
 - Using different tools like Topological Data Analysis to understand intrinsic features of dataset like shape and connectivity.

PROJECTS

- LearnEra** 2025
NextJS | MongoDB | Hugging Face Website || Github
 - Enable users from different to achieve personalized skill growth through AI-driven task generation and evaluations.
 - Increased learning efficiency by 40% through an adaptive system that evaluates progress and customizes tasks.
 - Automated skill assessments, reducing manual effort by 60% and enhancing user engagement with AI-driven insights.
- WanderLust** 2024
NodeJS | EJS | ExpressJS | MongoDB Website || Github
 - Built a location-based peer-to-peer marketplace in MVC Architecture, integrating frontend and backend seamlessly
 - Created a responsive, intuitive UI for seamless navigation across devices, using EJS & CSS, ensuring modern user experience.
 - Integrated secure authentication, session management, and real-time updates for dynamic interaction.
- FestEz** 2025
Flutter | Firebase App || Github
 - Revolutionized fest experience, enabling real-time event tracking, instant updates, and hassle-free registrations.
 - Enhanced user engagement with live participation insights, helping attendees discover and join top events effortlessly.
 - Potential to deliver 10,000+ sponsor impressions per fest, maximizing brand visibility through strategic in-app placements.
- Other Projects**
 - ClinicX:** Generates medical reports, prescriptions, and suggests medications based on verified Databases. 2025 || Github
 - COW Implementation:** Executed Copy-On-Write fork in xv6 OS improving memory management. 2024 || Github
 - Risc-V Assembler:** Designed and applied a high-performance RISC-V assembler in C++. 2024 || Github
 - Data Dazzle:** Comprehensive analysis of (80) house features to understand their influence on prices. 2023 || Github

ACHIEVEMENTS

- Codeforces Rating** - Pupil Rated - 1200+ 2025
- General Championship Hackathon** - Got 2nd position in Web-Development Hackathon. 2024
- Exhibition Representative** - Represented Robotics Club in Metrix 5.0. 2023
- JEE Advanced** - AIR - 1796 2022

KEY COURSES TAKEN

- Computer science fundamentals:** Program Paradigms and Pragmatics, Operating Systems, Database management systems, Computer Networks, Data Structures & Algorithms, Analysis of Advanced Algorithms, Advance Data structures & Algorithms (PhD course), Theory of Computation, Computer Architecture, Software Engineering.
- Machine Learning:** Advanced Learning Algorithms, Supervised Machine Learning, Stanford CS229, Machine learning A-Z.
- Mathematics:** Probability and Stochastic, Differential Equations, Linear Algebra, Advanced Calculus.

POSITIONS OF RESPONSIBILITY

- Sponsorship Head** - Zeitgeistst, IIT Ropar - Managed the team and got 12.57 lakhs of sponsorship 2024
- Mentor** - Robotics Club, IIT Ropar - Mentored over 100+ students. 2024
- Technical Coordinator** - Robotics Club, IIT Ropar - Overseeing various club activities and made various projects. 2023
- Associate** - DCypher Club, IIT Ropar - Directed various club activities. 2023