

Devansh Srivastava

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EDUCATION

IIIT Naya Raipur

Bachelor of Technology in Data Science and Artificial Intelligence

CGPA: 9.27

Relevant Courses

DSA, Operating Systems, DBMS, Object Oriented Analysis and Design, Deep Learning, Computer Vision, Distributed Systems

Naya Raipur, Chhattisgarh

November 2022 – July 2026

ACHIEVEMENTS

- 1st in AIML track in Hack-o-Harbour Hackathon, IIIT Naya Raipur
- 2nd in the Industry Academia Meet Ideathon, 2025, IIIT Naya Raipur
- 4th in Web 3.0 Online Hackathon, Birla Institute of Technology & Science, Pilani Campus
- Member of the Passagemath Organization (A SageMath Fork). [↗](#)

EXPERIENCE

Research Intern: IIT Ropar | *Express, LangGraph, React, MongoDB*

May 2025 | [Github](#)

- Developed a Personalize Learning Path Visualization Dashboard to guide students with optimal learning path with gamification using streaks and stars.
- Used LangGraph to prepare knowledge graphs for different concepts.

OPEN SOURCE CONTRIBUTIONS

Open Source Contributor: Sage Math | *Python, Cython, C*

March 2025 | [Github](#)

- Added support to facilitate hashability for Combination class. [↗](#)
- Added a version check to reject redundant FriCAS version. [↗](#)
- Fixed SageMath's Log method bug to facilitate the computation of logarithmic function for non-positive bases in Complex Field. [↗](#)

PROJECTS

Carrot | *C, Cmake, Event Loops, Data Structures*

January 2025 | [Github](#)

- Developed a Redis-like key-value database that supports both basic KV operations and sorted sets.
- Implemented an event loop using poll system call.
- Integrated AVL trees for implementing sorted sets.

Carbon-Credits | *Ethereum, Sepolia API, Hardhat, EthersJs*

December 2024 | [Github](#)

- Developed a decentralized Carbon Credit trading platform leveraging React, Flask, and Solidity, promoting transparency and accountability in CSR activities.
- Integrated a royalty mechanism ensuring 10% of transaction value is returned to NGOs.
- Built an web interface that implements a decentralized carbon market, issuing 100% verifiable proof certificates for proof of purchase.

Real Time Behaviour Analysis | *Python, Tensorflow, Opencv, Mediapipe*

April 2024 | [Github](#)

- Developed a Machine-Learning Framework to observe the behaviour of students using pose estimation and facial expression recognition to improve the traditional classroom setting.
- Utilized Google's Mediapipe framework to estimate pose and developed Tensorflow's neural architecture to recognize facial expressions with 90% precision.
- Implemented a Machine-Learning framework that resulted in a 20% increase in student engagement during classroom activities.

JobQuest | *HuggingFace, JavaScript, MongoDB, Generative AI, ReactJs*

February 2024 | [Github](#)

- Built a comprehensive web app to track resume applications and generate skill tests based on job descriptions using generative AI
- Incorporated Google's HuggingFace word2vec model and cosine similarity to calculate resume scores with 85% accuracy
- Reduced recruiter's workload by 50% using the Gemini API to generate skill tests and screen applicants

TECHNICAL SKILLS

Languages: C, C++, Python, Rust, C#, JavaScript, Dart

Tools: Sql, Bash, Numpy, Pandas, Scikit-learn, Make, CMake, Tensorflow, OpenCV, LLM, PyTorch, Flask, Fast API, MongoDB, ReactJs, Android-Studio, Flutter

Technologies: GNU/Linux, Git, Github, Vim/Neovim, Prometheus, Github Actions, Unreal Engine 5, Godot, Hardhat, NodeJs, ExpressJs, Actix Web, Docker, Kafka, Grafana, GCP, AWS, Redis, L^AT_EX