Devansh Srivastava

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EDUCATION

IIIT Naya Raipur   Naya Raipur, Chhattisgarh
Bachelor of Technology in Data Science and Artificial Intelligence   *November 2022 – August 2026*
CGPA: 9.26

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

ACHIEVEMENTS

- 1st in AIML track (4th overall) in Hack-o-Harbour Hackathon, IIIT Naya Raipur

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, EthJs,*   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.

Athleo | *Android Studio, Flutter*   September 2024 | ⊙ github
- Developed a fitness tracking app using Flutter/Dart with real-time activity tracking, personalized running routes, and AI-powered coaching features.
- Integrated Google Maps API for route generation and Gemini AI for 100% tailored coaching advice based on user metrics.
- Implemented a gamified reward system with 7-day activity tracking, leaderboards, and real-time metrics, enabling users to earn coins for crossing checkpoints.

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, SCRUM,Tensorflow, OpenCV, LLM, PyTorch, Flask, Fast API, MongoDB, ReactJs, Android-Studio, Flutter
Technologies: GNU/Linux, Git, Github, Vim/Neovim, RaspberryPi, Unreal Engine 5, Godot, Hardhat, NodeJs, ExpressJs, Actix Web, Docker, Redis, LaTeX