

ABHIK JAIN

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EDUCATION

International Institute of Information Technology, Naya Raipur
Bachelor of Technology
Department of Computer Science & Engineering

August 2019 - present
SCGPA: 9.2

Amity International School, Gurgaon
CBSE Class 12th

2018-19
Overall Percentage: 92.4%

Amity International School, Gurgaon
CBSE Class 10th

2016-17
Overall CGPA: 10.0

INTERESTS

HPC, Distributed Systems
Parallel Algorithms
Open Source, Free Software
Mathematical Computing

TECHNICAL STRENGTHS

Programming	Rust, Elixir, C/C++, Python, Java & Bash
Libraries	OpenMPI, Numpy, Matplotlib, SciPy
GPU Programming	OpenCL, OpenGL, WebGPU (in Rust)
Machine Learning	TesorFlow, OpenCV
Databases	Postgres, MariaDB, MongoDB
Other Technologies	Linux, Git, WebAssembly, Docker, Kubernetes, Node.js

PROJECTS

Graph Theory Engine

Supervisor: Dr. Ramakrishna Bandi

Implemented various graph algorithms in C++ and Rust.

Rubix Cube Solver (Ongoing)

Implementing Thistlethwaite's algorithm for solving rubik's cube in Rust ,WebAssembly and WebGL

Raytracer in Rust

Implementing a Ray Tracer in Rust which can render realistic 3D images, and simulated materials like dielectric, metal and lambertian, along with features like motion blur.

Smart Electricity Bill

Supervisor: Dr. Venkanna

Created a website on which users can register and upload pictures of their electric meters, and AI on the server side will extract digits, from which bill will be calculated. Backend in Node.js and Python.

Course Management System

Supervisor: Dr. Shivani Sharma

Created a Course Management System in Java using SQLite3 in backend for database.

ACHEIVEMENTS

- Organiser and Founder of Hack-A-Sol - IIITNR's annual Hackathon
- Core Member of college's coding club TSoC (The Society of Coders), Head of it's Development Wing
- Core Member of college's AI/ML Club
- Highest CGPA in 1st Semester of college

EXTRA-CURRICULAR

Member of college's Basketball Team

Participated in CBSE National Yoga Competition (2019, 2018)

Runner up in CBSE District Yoga Competition (2019, 2018, 2017)

Cleared Rockschool Electric Guitar Grade 2

LINKS

- **GitHub** : [abhikjain360](https://github.com/abhikjain360)

- **Website** : abhikjain360.github.io