

Ayush Singh

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Objective

Results-driven Junior Software Developer with experience in C++ and a passion for Artificial Intelligence, Machine Learning, and Full-Stack Web Development. Experience in leading hackathon teams and delivering innovative solutions. Using technical skills and leadership abilities to contribute to projects.

Technologies

Languages: C++, C, JavaScript, Java, Python, SQL, HTML and CSS

Skills: Node.js, Express.js, MongoDB, React.js, Next.js, ShadCN, Linux, Git and Github.

Education

Lakshmi Narain College of Technology, Bhopal 2022 – 2026

B.Tech in Computer Science with specialization in AI and ML

- CGPA: 8.45

12th - Dev Public School, Jashpur, C.G. - CBSE 88.8% 2021 - 2022

10th - Kendriya Vidyalaya, Jashpur, C.G. - CBSE 92.8% 2019 - 2020

Experience

Team Leader, Smart India Hackathon - 2024

June 2003 – Aug 2003

Team: Galactic Innovators

- Led a team in the Smart India Hackathon 2024, successfully advancing to the Nodal Level, showcasing strong leadership and collaboration skills.
- Developed an AI and ML based project focused on enhancing images of the Permanently Shadowed Regions (PSR) of lunar craters captured by Chandrayaan-2, addressing a problem statement provided by ISRO.
- Project Github - github.com/SmartIndiaHackathon/Galactic-Innovators [🔗](#)

Projects

Article Generation System - 'Qalam'

github.com/Qalam [🔗](#)

- Large Language Models along with Image Generation Models for crafting articles on a wide range of topics.
- Web-based interface, built using HTML, CSS and JS with Node and Express for the backend.

JavaScript Package - 'llm-pdf'

npmjs.com/llm-pdf [🔗](#)

- A powerful tool to automatically generate structured documents complete with AI-generated content, images, and professional PDF exports. Powered LLMs and image models.
- Technology used: Node JS and Node Package Manager.

Automated Image Generation - Selenium

github.com/ImageGen [🔗](#)

- Created a Python program with the Selenium Web Automation tool to automate websites that use AI to generate images.
- Tools used: Python and Selenium.

Certifications

Cisco Virtual Internship

- Certification in Networking from May 2024 to July 2024.

ServiceNow Academic Cohort

- Cohort on cloud based platform to manage business workflows. From Nov 2024 to Dec 2024.