

TANUJ KUMAR

STUDENT

[LINKEDIN](#) [GITHUB](#)

JABALPUR MADHYA PRADESH | +91 7763859191 | tanujgautam12@gmail.com

CAREER SUMMARY:

Motivated and detail-oriented second-year Computer Science student with a strong foundation in Java programming and API web development. Proficient in building RESTful APIs and developing web applications using Java frameworks such as Spring Boot. Demonstrated ability to apply object-oriented design principles and collaborate effectively in team environments. Eager to leverage technical skills and academic knowledge to contribute to innovative software development projects.

WORK EXPERIENCE:

Team Lead – Smart India Hackathon (SIH) 2024 Finalist

Smart India Hackathon (SIH)

As the team leader, I guided our multidisciplinary team through the rigorous selection process, culminating in our participation in the SIH 2024 Grand Finale. We tackled real-world challenges, applying our skills in Java, DSA, and web development to devise innovative solutions. This experience honed my leadership, problem-solving, and collaborative abilities.

Winner – Oracle Cloud Computing Hackathon 2024

Oracle Cloud Computing Hackathon

Under my leadership, our team clinched first place in the Oracle Cloud Computing Hackathon. We developed a scalable cloud-based application utilizing Oracle Cloud Infrastructure (OCI) services, demonstrating proficiency in cloud computing and teamwork.

Participant – Genathon 2024

College-Level Hackathon

Engaged in Genathon 2024, a college-level hackathon, where we collaborated to develop a web application addressing campus-related issues. This experience enhanced my skills in full-stack development and agile methodologies.

RELEVANT PROJECTS:

1. Web-Based BMI Calculator with Personalized Recommendations

- Developed a responsive web application using JavaScript and HTML/CSS to calculate Body Mass Index (BMI).
- Integrated logic to provide personalized dietary suggestions based on BMI categories, enhancing user engagement.

2. Student Management System Web Application

- Built a comprehensive web application for managing student records, including functionalities for adding, updating, and deleting student information.
- Implemented features to generate and download student reports in CSV format, streamlining administrative tasks.

3. Lunar Crater Detection Using Deep Learning

- Engineered a system to detect and analyze lunar craters using deep convolutional neural networks. Utilized Terrain Mapping Camera images from the Chandrayaan-2 mission to train and validate the model, achieving high accuracy in crater identification. (SIH project)

4. Ddos Attack Prevention on Cloud Architecture

- Designed a cloud-based architecture model to detect and prevent Ddos activities.
- Implemented real-time monitoring and alert systems to enhance security measures against potential Ddos threats. (under development).

EDUCATION:

Bachelor of Technology (B.Tech) in Computer Science and Engineering

Gyan Ganga College of Technology, Jabalpur, Madhya Pradesh

Graduation year: 2027

Senior Secondary (Class 12)

DAV Public School, Cantonment Area, Gaya, Bihar

Graduated: 2023

Achieved 80% in the Central Board of Secondary Education (CBSE) examinations.

Secondary (Class 10)

National Herald Public School

Graduated: 2021

Secured 94.2% in the CBSE board examinations.

SKILLS:

Programming Languages:

- Java (Intermediate)
- C++ (Intermediate)
- Python (Basic)

Web Technologies:

- HTML
- CSS
- JavaScript
- RESTful APIs

Databases:

- MySQL
- SQL

Cloud & DevOps:

- Amazon Web Services (AWS) – Basic Knowledge
- Version Control: Git, GitHub

Operating Systems:

- Windows