

# Gaurav Upadhyay

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## EDUCATION

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**Dr. B.R. Ambedkar National Institute of Technology**  
*Bachelor of Technology in Information Technology*

Jalandhar, Punjab, India  
Nov 2022 – May 2026

## INTERNSHIPS & EXPERIENCE

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### College Ambassador

*MyGov*

Nov 2023 – Jan 2024

*Remote Internship*

- Led college-wide campaigns to raise awareness, resulting 400+ participation in MyGov event. Achieved this through the organization of workshops and seminars.
- Maintained detailed records of MyGov activities and provided regular progress reports for evaluation and recognition purposes.

### Google Developers Student Club

*NITJ (National Institute of Technology Jalandhar)*

Oct 2023 – Present

- Orchestrated the organization of "HackMol 5.0," a high-profile hackathon, and engineered a robust website utilizing advanced web technologies, resulting in an impressive turnout of over 3500+ registrations..
- Delivered an insightful JavaScript and APIs session with over 300+ viewership, broadcasted live at <https://www.youtube.com/watch?v=2REI9jJfQc>, providing practical insights and valuable knowledge.

### Full Stack Developer

*WDMC - NITJ Website Committee*

Aug. 2023 – Present

- Enhanced college website with dynamic MERN stack features, boosting SEO ranking by 40%.
- Optimized website performance through strategic implementation of code splitting and lazy loading techniques, resulting in a 23% decrease in bounce rate and a 15% increase in average session duration.

## PROJECTS

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### Jiva | *MERN, Python, TensorFlow, Scikit-Learn, Google Cloud Platforms* [Github](#)

- Achieved accuracies of 85%, 90%, and 95% in skin disease, symptom-based disease prediction, and heart disease identification Machine Learning models, respectively.
- Trained and Integrated Gemini Powered Health ChatBot, resulting in a 70% reduction in response time for health-related queries.
- Implemented an Epidemic Alert System, resulting in a 40% improvement in awareness of health-related events and epidemics among the general population using Google Maps API.

### OtakuHub | *MERN Stack* [Github](#)

- Launched dynamic social platform for anime fans, attracting 100+ users in 1st month.
- Crafted API with 100ms response, managing 200+ daily authentication requests, with uptime of 99.9%.
- Deployed on Vercel with  $\leq$  3s load time, praised for user-friendly experience.

### AquaTrace | *Flutter, TensorFlow, MongoDB*

- Developed AquaTrace, a pioneering water footprint tracking app.
- Using latest computer vision algorithms, achieved an accuracy rate of 80% in water consumption calculations.
- Utilized AI techniques, resulting in a 20% improvement in predictive capabilities, enabling precise water footprint assessments.
- Recognized for innovation, selected to participate in the prestigious Smart India hackathon, competing against 300+ teams nationwide.

## SKILLS/ ACHIEVEMENTS

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- **Languages:** C/C++, JavaScript, Python
- **Frameworks/Databases/Tools:** React, Node.js, Express.js, MongoDB, Git/Github, Docker, OpenCV
- **Relevant Coursework:** Data Structures and Algorithms, Database Management Systems, Web Development, Machine Learning
- **Achievements:**
  - Selected participant in Smart India Hackathon among 300+ teams nationwide.
  - Ranked in the top 10 out of 400+ submissions in HackMol 5.0.
  - Ranked top 6 out of 200+ participants in college level HackerRank Coding Contest.