YASH GUPTA

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EDUCATION

Amity University **Noida, India**

Bachelor of Technology, GPA: 8.73 September 2021 – June 2025

Little Flower School **Gorakhpur, India**

Class 10th – 92.6%

Class 12th – 93.0% March 2018 – June 2021

SKILLS SUMMARY

- **Languages:** Java, C++, HTML, CSS, JavaScript, Solidity
- **Frameworks:** React.JS, Spring Boot, Bootstrap
- **Tools/Others:** MS Office, MongoDB, IntelliJ Idea, VS Code, GitHub, Canva, REST API, jQuery
- **Soft Skills:** Leadership, Time Management, Teamwork, Adaptability, Excellent Communication, Problem Solving

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WORK EXPERIENCE

RESEARCH INTERN | OPEN HEALTH SYSTEMS LABORATORY | LINK

- Conducted research on integrating an electronic microscope with the Telesynergy platform, analyzing 5+ telemedicine frameworks for feasibility.
- Evaluated 10+ scientific papers on image processing techniques, identifying methods to enhance remote visualization by 20% in resolution clarity.
- Compiled weekly reports summarizing key findings and presented insights to a team of 5+ researchers.

INTERN | BHAVISHYA NGO

- Led educational initiatives at Bhavishya NGO, teaching Mathematics and English to over 25 underprivileged children and promoting inclusive extracurricular activities.

PROJECTS

Amazon Website Clone (HTML, CSS) | LINK

- Developed a fully responsive frontend clone of Amazon.com using HTML and CSS, replicating the UI with 95% accuracy.
- Optimized CSS styling, reducing page load time by 30% for better performance.

Movie Recommendation System (HTML, CSS, JS, React) | LINK

- Orchestrated development of a movie recommendation system serving 10,000+ movie titles through OMDB API integration, with real-time search functionality and 300ms average response time.
- Built a responsive React/TypeScript frontend with Tailwind CSS, ensuring cross-browser compatibility and achieving a 95+ Google Lighthouse performance score.

Smart Surveillance System (AI/ML) | LINK

- Designed and developed a modular AI-based surveillance application with 5 key features, including fire/smoke detection, weapon detection, and motion tracking.
- Reduced response time to alerts by <1 second through optimized frame processing and lightweight inference pipelines.
- Processed and analyzed over 5000+ images during testing to ensure robustness and scalability across different environments.

CERTIFICATES

- PERN Stack Development Bootcamp.
- Google – AI Essentials

PUBLICATION

- Research Paper on the topic "Data Security in Cloud Computation" published in 13th International Conference on Cloud Computing, Data Science and Engineering CONFLUENCE 2023 | LINK