

# Aanya Srivastava

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## Education

**BMS Institute of Technology and Management** Bengaluru, India  
Bachelor of Engineering in Information Science; **CGPA: 9.8/10.0** Sept. 2023 - Aug. 2027

## Experience

**Intern** | IEEE CS Bangalore Chapter | GitHub April 2025 – September 2025

- Implemented a hybrid deep learning pipeline using RetinexFormer+ for low-light image enhancement and ResNet-50 for emotion classification, improving recognition accuracy under challenging lighting conditions.
- Optimized model training and preprocessing workflows to enhance image brightness and facial feature visibility, achieving robust performance across diverse illumination settings.

## Projects

**Coursemy** [Link](#)

- Developed an AI-powered course builder that generates personalized learning paths and dynamic content using the Gemini API, with a modern Next.js + TypeScript frontend.
- Designed a responsive UI using shadcn/ui and integrated Drizzle ORM for type-safe, efficient database interactions, ensuring scalability and maintainability.

**BookMyTrip** [Link](#)

- Developed a full-stack travel accommodation platform with listing creation, authentication, reviews, and advanced search/filtering features.
- Built the backend using Node.js, Express.js, and MongoDB, integrating Passport.js for secure sessions, Cloudinary for image management, and Mapbox API for interactive map visualization.

**goodWill** [GitHub](#)

- Designed and developed a responsive web platform using React.js and TailwindCSS to connect blood donors with hospitals and enable real-time filtering by blood type.
- Implementing a Node.js, Express.js, and MongoDB backend with RESTful APIs and an algorithm to prioritize hospitals based on blood type shortages for efficient inventory management.

## Technologies

**Languages & Web Tech:** Java, Python, C, JavaScript, HTML/CSS, SQL

**Frameworks & Technologies:** React.js, Node.js, Next.js, EJS, Bootstrap, Tailwind CSS, MySQL, MongoDB

**Developer Tools:** Git, Bash, VS Code, IntelliJ, Postman, PyCharm, Jupyter Notebook, GitHub Copilot

**Soft Skills:** Communication, Problem-Solving, Teamwork, Leadership, Adaptability

## Extracurricular Activities

**Open Source Contributor, IEEE SoC:** Ranked 21st out of 3,000+ participants while contributing to open-source projects and collaborating on large-scale software development.

**Campus Ambassador, GSSoC 2025:** Promoted open-source culture and guided peers during GirlScript Summer of Code 2025 .

**Open Source Contributor, GSSOC 2025:** Gained hands-on experience in software development by contributing to open-source projects as part of GSSoC'25, working on feature development and bug fixes.

**Problem Solving:** Solved 400+ coding problems across LeetCode, GeeksforGeeks, and Codeforces, strengthening expertise in data structures and algorithms. [LeetCode](#) | [GFG](#) | [Codeforces](#)