Yash Baghela

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EDUCATION

Third Year *Nov 2022 – Jun 2026 Indian Institute of Information Technology, Sonepat*
Bachelor of Technology in Computer Science and Technology
CGPA: 8.75
Key Courses: Data Structures and Algorithms, Computer Networks, Database Management Systems, Machine Learning, Operating Systems, Software Engineering, Cloud Computing, System Design.

PROJECTS

SolarVis | Flutter App: Repository *Feb 2024 – Apr 2024*
- Developed a Flutter application for visualizing KML files on Liquid Galaxy, an open-source panoramic visualization system.
- Integrated SSH functionalities to manage Liquid Galaxy remotely on Linux, allowing command execution and file uploads.
- Implemented seamless KML parsing and rendering features, enhancing geospatial data visualization.

Aayutan | Frontend: Repository | Backend: Repository *Feb 2024 – Apr 2024*
- Directed the development of a health-focused application offering real-time chat, video calling, and appointment booking functionalities.
- Spearheaded the integration of WebRTC for seamless video communication and WebSockets for live messaging.
- Crafted a responsive front-end using React and managed scalable back-end processes with Django.

Sociopedia | Repository | Deployment *Oct 2023 – Dec 2023*
- Designed and developed a social media platform consolidating user profiles, which offer core social features such as posting, friend management, and time tracking.
- Pioneered the creation of features to monitor user activity and promote mindful content consumption.
- Leveraged the MERN stack (MongoDB, Express.js, React, Node.js) for optimal performance and scalability.
- Future goals include using LSTM-based deep learning to analyze user content consumption patterns and generate insightful reports.

WORK EXPERIENCE

Contributor
- Contributed to various open-source organizations such as Liquid Galaxy and NumFocus.
- Developed the Flutter project "SolarVis" under Liquid Galaxy, enhancing geospatial data visualization and remote management functionalities.

TECHNICAL SKILLS

- **Programming Languages:** C/C++, JavaScript, Python, SQL, Java (basic), HTML, CSS
- **Frameworks & Tools:** Flutter, React.js, Node.js, MongoDB, Express.js, Docker, Git/GitHub
- **Algorithms & Concepts:** Data Structures and Algorithms (400+ questions solved), OOPs, Linux, System Design
- **Data Science Libraries:** Pandas, NumPy, Scikit-learn, PyTorch, TensorFlow (Research paper implementation)

ACHIEVEMENTS AND AWARDS

- Achieved global ranks of 121 and 181 in CodeChef contests, showcasing exceptional problem-solving abilities.
- Earned a 3-star Coder status on CodeChef with a competitive rating of 1700+.
- Secured a 1600+ rating on LeetCode, solving over 400 problems across platforms.