

# ADITYA KESHRI

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🌐 [Linkedin](#)

🐙 [Github](#)

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## Education

**Birla Institute of Technology, Mesra**

*Bachelor of Technology in Computer Science and Engineering; CGPA: 8.67*

**Ranchi, Jharkhand**

*2021 – Present*

**Sarala Birla Public School**

*12th Board (CBSE); Percentage: 93.33%*

**Ranchi, Jharkhand**

*2019 – 2021*

## Relevant Coursework

Data Structures and Algorithms, Operating System, Object Oriented Programming, Database Management System and Computer Networking

## Experience

**Research Project -BIT Mesra**

**May 2024 – June 2024**

*Research Intern*

*Github Repo*

- **Engineered an advanced deepfake detection model**, leveraging MBConv blocks and SAM modules in PyTorch, achieving state-of-the-art feature extraction and attention mechanisms.
- **Spearheaded the development of a high-efficiency pipeline** integrating optical flow analysis with multiprocessing, enhancing processing speed by 30% and improving identification accuracy by 25% in video datasets.
- **Achieved an 80% accuracy rate**, setting a new benchmark for deepfake detection robustness.
- **Technologies and libraries utilized:** PyTorch, OpenCV, skimage, concurrent.futures, torch\_xla, Kaggle.

## Projects

**Food-Express | *React.js, MongoDB, Express.js, Node.js***

**May 2024 – June 2024**

*Individual Project*

*Github Repo*

- **Designed and developed a highly responsive food delivery web app** utilizing MongoDB, Express.js, React.js, and Node.js, providing a seamless user experience.
- **Implemented an intuitive search bar and category differentiation**, reducing search time by 25% and enhancing user navigation.
- **Leveraged MongoDB for robust data storage**, ensuring the integrity and accessibility of user information, food details, and order histories, increasing data retrieval speed by 30%.
- **Built comprehensive admin and user sections**, incorporating user authentication, logout, and detailed order tracking features for enhanced user engagement and administrative control.

**Anuvad-Translate | *HTML, CSS, JavaScript***

**July 2023 – Sept 2023**

*Individual Project*

*Github Repo*

- **Developed a language translation app** using JavaScript, HTML, and CSS, providing users with seamless translation capabilities.
- **Integrated MyMemory API for real-time translations**, ensuring accurate and quick language conversions, reducing translation time by 20%.
- **Implemented user-friendly features**, including text swapping, language selection, and clipboard operations, enhancing overall app usability.
- **Enhanced user experience with speech synthesis**, adding text-to-speech functionality for better accessibility and interaction.

## Technical Skills

**Languages:** C++, Python, Java, C, HTML/CSS, JavaScript

**Framework:** React.js, Express.js, Node.js, Tailwind CSS

**Databases:** MySQL, MongoDB

**Developer Tools:** Visual Studio Code, Git, Github, Kaggle, Google Colab

**Soft Skills:** Creative Thinking, Problem Solving, Teamwork, Communication, Empathy

## Languages Known

- English (Full Working Proficiency)
- Hindi (Full Working Proficiency)

## Other Interests

- Cricket
- Volleyball