

# TUSHAR PACHOURI

Mathura, Uttar Pradesh

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## Technical Skills

**Languages:** Python, HTML/CSS, JavaScript, CPP, GoLang  
**Frameworks:** ReactJS, Vite, NodeJS, ExpressJS, Bootstrap, Tailwind CSS, Django  
**Database:** MongoDB, SQL  
**Developer Tools:** Figma, BootStap Studio, VS Code, WebStorm, Pycharm, Apache  
**Technologies:** GitHub, WordPress, Wix

## Relevant Coursework

- Full Stack Development
- Node.js
- React.js
- Express.js
- Backend Development
- Database Management System
- Server-side Scripting with Node.js
- Django Web Framework

## Projects

### Video Streaming API | *Node.js, MongoDB, JWT, bcrypt, Cloudinary*



- Developed a video streaming application from scratch, allowing users to create accounts, upload videos, and customize their profile with avatar cover photos.
- Utilized MongoDB as the database to store user information, including usernames, hashed passwords, uploaded videos metadata, and cloudinary image URLs.
- Implemented secure user authentication and authorization using JSON Web Tokens (JWT) and bcrypt to protect user credentials and control access to restricted endpoints.
- Integrated Cloudinary API for storing and serving videos and avatar cover photos, ensuring scalability and efficient delivery of multimedia content.
- Designed RESTful APIs for user registration, login, video uploading, profile customization, and fetching video content.
- Employed error handling and validation techniques to enhance the robustness and reliability of the application.

### Image to ASCII Converter | *Python, Django*



- Developed a Django web application for converting uploaded images into ASCII art, offering an intuitive user interface.
- Implemented features such as adjustable scale for ASCII representation, support for various image formats, and responsive web interface.
- Utilized Python's Pillow library for image processing and Django framework for web development.
- Designed a responsive web interface allowing users to upload images, adjust ASCII scale, and download ASCII art as a text file.
- Implemented error handling mechanisms to gracefully handle edge cases such as unsupported file formats or corrupt images.

### Video Managers | *Python, SQLite*



- Developed a robust video manager terminal application using **Python** and **SQLite** to efficiently organize and manage video files.
- Designed a user-friendly interface with intuitive functionalities for adding, deleting, and editing video metadata, including titles
- Implemented **SQLite** database integration to store and retrieve video metadata, ensuring fast and reliable data management.
- Leveraged **Python's SQLite** module to establish a connection to the **SQLite** database, enabling seamless interaction between the application and the database backend for storing and retrieving video metadata

## Achievements

- Smart India Hackathon — April 2022: Our team was selected for the National Round in the Smart India Hackathon.
- Solved over 300 coding problems, demonstrating expertise in algorithmic problem-solving and programming concepts.

## Education

### Lovely Professional University

*Bachelor of Technology in Computer Science*

**Aug. 2020 – June 2024**

*Phagwara, Punjab*

### Kendriya Vidyalaya Mathura Cantt

*Higher Secondary*

**April 2019 – March 2020**

*Mathura, Uttar Pradesh*