Tulsi Gupta

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Education

- ***B.Tech*** – Computer Science Engineering
  Vignan University, *Guntur | 2025 (Present)* | GPA: 8.08/10
- ***Class 12th*** – *CBSE*
  Bihar Public School | 2022 | CGPA: 9.0/10
- ***Class 10th*** – *CBSE*
  Bihar Public School | 2020 | CGPA: 9.0/10

Skills

Web Development: HTML, CSS, JavaScript, React, Node.js, Express.js, MongoDB
Programming Languages: C,C++, Python, Java
Tools & Platforms: Git, Postman, VS Code, Google Cloud, Netlify
Other: REST API, OOPS, MYSQL,DATA STRUCTURES,COMPUTER NETWORKS

PROJECTS

NPTEL Course Registration System [Tech Stack:MongoDB, Express.js, React.js, Node.js, Tailwind CSS**]**

- Developed a fully functional full-stack course registration platform resembling NPTEL's system.
- Implemented secure user authentication and role-based access (admin, student) using JWT.
- Created a responsive dashboard for registered users to view enrolled courses and schedules.
- Built an admin panel for managing course listings, student enrollments, and registration windows.
- Enabled dynamic form validations using React hooks and conditional rendering.
- Backend developed with Express.js and integrated with MongoDB for scalable data storage.

Food Blog App [Tech Stack: MERN (MongoDB, Express.js, React.js, Node.js)**]**

- Designed a responsive and visually appealing blog-style app for food lovers to share and explore restaurant reviews.
- Enabled Firebase Storage integration to handle secure and fast image uploads.
- Built search and filter functionality to browse blogs by food type, rating, or user.
- Implemented a rating system and interactive like/comment feature for user engagement.
- Created RESTful Express.js APIs and connected with MongoDB to manage posts, users, and reviews.

AI-Powered Blog Website
[Tech Stack: MERN (MongoDB, Express.js, React.js, Node.js), OpenAI API]
- Created an interactive and easy-to-use blog platform where users can write, read, and engage with

blog posts.

- Integrated OpenAI API to help users generate blog ideas, write post drafts, and create summaries or titles with the help of AI.
- Added image upload support using Firebase Storage, making it simple and secure to add photos to blog posts.
- Built advanced search and filter options so users can explore blogs by categories, tags, or even the emotional tone of the content using sentiment analysis.
- Implemented features like comments, likes, and AI-suggested replies to make the platform more engaging and community-friendly.
- Developed RESTful APIs using Express.js and connected everything to MongoDB for smooth management of users, posts, and AI interactions.

ACHIEVEMENTS/CERTIFICATIONS

-Cisco Networking Academy

- Networking Basics *(Nov 2024)*
- CCNA: Introduction to Networks *(Mar 2025)*
- CCNA: Enterprise Networking, Security & Automation *(Mar 2025)*
- CCNA: Switching, Routing & Wireless Essentials *(Mar 2025)*
- Introduction to Cybersecurity *(Apr 2025)*
- Python Essentials 1 *(Apr 2025)*

- 1st Prize in CodeXL Coding Competition conducted by **ByteXL**

- Achieved **B2 level** in **Cambridge PET (Preliminary English Test).**

- NPTEL E-Business Certification: Gained insight in e-business models and strategies

-Participated in Smart India Hackathon (SIH), contributing to real-world problem-solving.

-Handled Stage Management during department fest, ensuring smooth execution of events.

-Got 1st prize in painting competition at university level .