Tanmay Tewary

Dhanbad, Jharkhand-828205

Phone Number: +91 7491822086 • **Email:** tanmaytewary4@gmail.com • **GitHub:** https://github.com/TanmayTewary88 • **LinkedIn:** https://www.linkedin.com/in/tanmay-tewary-41a11b28b/

EDUCATION

Dr. Vishwanath Karad MIT World Peace University (MIT-WPU) • Kothrud, Pune	*2021 - 2025*
Bachelor of Technology in Computer Science & Engineering	*CGPA*: **8.10**
DAV PUBLIC SCHOOL • Sindri, Dhanbad	*2019 - 2021*
12th Board Examination (CBSE)	*Percentage:* **73%**
DAV PUBLIC School • Sindri, Dhanbad	*2008 - 2018*
10th Board Examination (CBSE)	*Percentage:* **71.8%**

PROJECTS

Multilingual Image Caption Generation for Visually impaired

Key Skills: DL, NLP, Python

Engineered an innovative multilingual image captioning system designed for visually impaired users, utilizing advanced deep learning techniques to deliver accurate and context-rich descriptions from images across multiple languages.

Community Book

Key Skills: React.js, Express.js, MongoDB, WebSocket, Razor Pay, JWT (JSON Web Token)

Developed an innovative web and mobile app to enhance the management and booking of community facilities. Addressed issues of inefficient booking, real-time data unavailability, and low user engagement. Key features include secure authentication (JWT), real-time chat (WebSocket), event management, discussion forums, resource sharing, and secure payment integration (Razor pay). Designed Mult interface support for users, admins, and vendors. Utilized React.js, Node.js, Express.js, MongoDB, and Razor pay.

Sentiment Analysis of short videos – NLP

Key Skills: NLP, Speech-to-Text, Sentiment Analysis, Named Entity Recognition

Collaborated on a project that involved semantic analysis of short videos using NLP techniques. Developed a system to convert video files to audio, transcribe audio to text, and analyze the textual content for meaning and context. Implemented features such as entity recognition, sentiment analysis, and topic modeling. Utilized a custom-built corpus of over 300 videos for analysis and visualization.

Spotify Clone

Key Skills: HTML5, CSS and Bootstrap

Developed a full-stack web application replicating Spotify's core functionalities using React.js for the frontend and Node.js with Express.js for the backend. Integrated MongoDB for data management, OAuth for secure user authentication, and Spotify's Web API for music streaming. Implemented features like user registration, music search, playlist creation, and real-time playback controls. Deployed the application on a cloud platform for high availability and scalability.

ACHIEVEMENTS

- Secure 1st place in debate on "Cleanliness me and society", demonstrating strong public speaking, critical thinking and persuasive communication skills.
- Commended for presenting an innovative project titled " KISAN_DIRECT-An automated B2B supply chain and warehousing facility for farmers " at HACK MIT-WPU, showcasing my skills in PowerPoint and presentation

TECHNICAL/PERSONAL SKILLS

- Programming Languages: C, C++, Python, JavaScript
- Web Development: Full Stack Development (MERN Stack: MongoDB, Express.js, React.js, Node.js)
- Machine Learning & AI: Implementation of machine learning models and algorithms, including Deep Learning (DL) and Natural Language Processing (NLP)
- Database Management: MongoDB, SQL

WORKSHOPS/COURSES

Pandas Essential Training   *Institute Name: LinkedIn*

Key Skills: Pandas, Data Visualization

Mastered intermediary pandas and created advanced plots and customized visualizations using seaborn and matplotlib.

HTML5 & CSS3 Complete Course: Build Websites like a Pro   *Institute Name: Udemy*

Key Skills: HTML, CSS

Acquired comprehensive knowledge in building responsive and interactive websites, mastering modern HTML5 and CSS3 techniques.

Java for Beginners - Learn all the Basics of Java   *Institute Name: Udemy*

Key Skills: All Basics of Java

Gained a strong foundation in Java programming, including object-oriented principles, basic syntax, and core concepts

IIRS-AI/ML Geodata Analysis   *Institute Name: ISRO*

Key Skills: Python, ML

Learned about the usage and importance of AI/ML in Geodata Analysis to analyses and predict unforeseen events and also to the satisfy us requirements of that particular task.