

# Pawankumar Pandey

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## Education

University of Mumbai <b>B.E: Information Technology (IT)</b>	July 2021 - June 2025 <b>CGPA: 9.24</b>
University of Mumbai <b>Higher Secondary School Certificate (IT)</b>	July 2019 - May 2021 <b>Percentage: 95.00%</b>

## Projects

- Videohut** | Node.js, Express.js, MongoDB, JWT, Cloudinary, bcrypt, multer, Postman Github
- Engineered a scalable backend system tailored for **video-centered tweets**, empowering users to upload videos and engage through comments and reactions.
  - Implemented secure **JWT-based authorization** for user account management, incorporating email confirmation and token refresh mechanisms.
  - Designed data structures in **MongoDB** to efficiently handle user details, video posts, and interactions.
  - Integrated **Cloudinary** to facilitate smooth multimedia uploads and enhanced content handling.
- AI-Driven Search Engine** | FastAPI, Google Drive API, Mistral AI, FAISS, Langchain Github
- Built a **FastAPI**-powered application that integrates **Google Drive API** to retrieve files from designated folders for dynamic content-based search.
  - Implemented document parsing and intelligent retrieval with **FAISS** and **Langchain**, enabling precise user query processing.
  - Utilized **Mistral AI** to deliver AI-enhanced responses based on file contents stored in **Google Drive**, ensuring search accuracy and relevance.
  - Set up and optimized Google Cloud along with **Mistral AI tools** for smooth operation and integration.
  - [Live Demo here.](#)
- Expense Tracker App** | React, CSS Bootstrap, Ant Design, Node.js, Express, MongoDB Github
- Designed a web application for efficient tracking and categorization of expenses.
  - Integrated robust **authentication mechanisms** for secure access.
  - Leveraged MongoDB to ensure dependable data storage and retrieval for expense records.
  - Currently supporting **[05]** users, the application features user onboarding, session management, and live analytics for better financial insights.
  - [Live Demo here.](#)

## Technical Skills

**Programming Languages:** Java, Javascript, SQL  
**Technology:** HTML5, CSS3, Cloudinary  
**Frameworks/Library:** ReactJS, Node.js, Express, MongoDB, Bootstrap, Tailwind, Socket.IO, AntDesign, JWT  
**Databases:** MySQL, NoSQL  
**Version Control:** Git, GitHub, Postman  
**Core Subjects:** Data Structure and Algorithm, DBMS, OOPS, Operating System

## Achievements

- Solved **450+ Data Structures and Algorithmic** problems on coding platform such as **LeetCode** and **GFG**.
- Contest Rating: **1739 @Codestudio**
- Successfully Completed **240** hours of service in NSS over a period of 2 years.