Tanay Mehto

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Professional Summary

Full-stack Developer and AI Explorer pursuing dual degrees in Computer Science (VIT) and Data Science (IIT Madras). Experienced in building scalable web applications, data-driven solutions, and enterprise software systems.

Education

Vellore Institute of Technology, B.Tech in CSE Core (CGPA: 8.6)   2023 – 2027
- Focus: Data Structures and Algorithms, Machine Learning, Artificial Intelligence, Full-stack Development

Indian Institute of Technology Madras, BS in Data Science and Applications   2023 – 2028
- Foundation Level Certificate: Programming & Data Science (Sep 2024, ID: 23F2004044)

Experience

Software Development Intern, NTPC Limited – Singrauli, India   May 2025 – July 2025
- Designed and developed Template Website and Group Manager Website for IT department operations at a leading Navratna PSU using C# and ASP.NET
- Acquired practical experience with SAP/ERP systems, networking infrastructure, database management, and cybersecurity protocols
- Delivered web development solutions and actively supported digital transformation initiatives

Technical Skills

Frontend: React, Next.js, TypeScript, Tailwind CSS, Material UI, Bootstrap, HTML, CSS

Backend & APIs: Node.js, Express.js, MongoDB, SQLAlchemy, Flask, Python, FastAPI, Jinja, OAuth 2.0, REST APIs

Cloud & DevOps: AWS (EC2, Lambda, S3, RDS, API Gateway, IAM), SAP/ERP, Vercel

AI/ML & Tools: OpenCV, Pandas, NumPy, Machine Learning, Artificial Intelligence, Arduino, Raspberry Pi, Git

Projects

Resume Analyzer & Job Application Tool   2025
- Built intelligent resume parsing tool with skill gap analysis, automated job applications, and company-specific cold email generation
- **Tech Stack:** Next.js, TypeScript, Tailwind CSS, FastAPI, pdfplumber, Gemini API, Adzuna API, Gmail API

VIT Mess Management System   2025
- Developed comprehensive web application for mess operations with student registration, meal booking, feedback system, and admin controls
- **Tech Stack:** React, Next.js, MongoDB, Node.js, Express.js, Tailwind CSS

SyncLiked - Spotify Playlist Manager   2025
- Built web extension enabling users to convert liked songs into organized playlists with OAuth 2.0 authentication and batch processing for 100+ songs
- **Tech Stack:** React, Tailwind CSS, Spotify Web API, OAuth 2.0, Vercel

Certifications

AWS Certified Cloud Practitioner-C02, Amazon Web Services   June 2025 – June 2028
- Credential ID: 7a4dbca6b68a4bf884711d911a909bca

Google UX Design Professional Certificate, Google   July 2024
- Credential ID: W9FRW5Z8UDX6 | Comprehensive UX design process and Figma proficiency