

# 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). AWS Certified Cloud Practitioner with expertise in machine learning, artificial intelligence, and end-to-end software development. Proven experience in building scalable web applications, data-driven solutions, and enterprise software systems.

## Education

**Vellore Institute of Technology**, B.Tech in Computer Science and Engineering 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  
• Developed Template Website and Group Manager Website for IT department operations at leading Navratna PSU  
• Gained hands-on experience with SAP/ERP systems, networking infrastructure, database management, and cybersecurity protocols  
• Implemented web development solutions and contributed to 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

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

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

## Projects

**Resume Analyzer & Job Application Tool** 2024  
• 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** 2024  
• 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  
**Vehicle Parking Management App** 2024  
• Created CRUD web application for four-wheeler parking slot management with real-time availability tracking  
• **Tech Stack:** Flask, SQLAlchemy, Jinja, Bootstrap, HTML

## 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  
**Cyber Samurai Program in Cyber Defence**, IIT Jodhpur July 2023