

Tejas Gulati

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github.com/TejasGulati

EDUCATION

Maharaja Agrasen Institute Of Technology, B.Tech in Information Technology Nov 2022 – Aug 2026

- CGPA: 9.195/10 (IPU Rank List)
- **Coursework:** Data Structures, Algorithms, Software Engineering, Web Development, Operating Systems, Computer Architecture, Full Stack Development, Machine Learning, Cloud Computing

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL

Frameworks & Libraries: Django, Django REST Framework, JWT Authentication, React, Celery, Redis, Pytest

Machine Learning & AI: TensorFlow, Scikit-Learn, Model Training, Data Preprocessing

Tools & Technologies: Docker, Git, GitHub, GitHub Actions, Postman, Flake8, MySQL Workbench

Databases: MySQL, PostgreSQL

Others: Web Scraping (BeautifulSoup, Requests), API Integration

EXPERIENCE

Full Stack Web Development with DevOps Intern, *Cinntra InfoTech*, Noida Aug 2024 – Sep 2024

- Developed and deployed full-stack web applications using Django, React, and JWT authentication, enhancing the architecture and security of the application.
- Designed and implemented RESTful APIs, seamlessly integrating the frontend with the backend for a smooth user experience in the registration and login process.
- Managed background tasks and web scraping operations using Redis, Celery, and BeautifulSoup, improving task processing efficiency by 30%.
- Utilized Docker for containerization, streamlining the development and testing environment, reducing setup time by 40%.
- Optimized MySQL database queries using MySQL Workbench, reducing query processing time by 15% and improving database performance.
- Assisted with version control using Git, ensuring code integrity and efficient collaboration in a team setting, and conducted unit testing with Pytest, achieving 50% test coverage to ensure high-quality code.

PROJECTS

NewsSphere github.com/TejasGulati/NewsSphere

- Developed a dynamic news aggregation platform that allows users to access the latest articles, save bookmarks, and monitor their news consumption via a personalized dashboard.
- Integrated the Django backend with a React frontend, ensuring a responsive and interactive user experience.
- Utilized Redis and Celery to handle scheduled web scraping, ensuring real-time news updates without overloading the system.
- Tools Used: Django, React, JWT, Redis, Celery, MySQL, Docker.

EcoPulse github.com/TejasGulati/EcoPulse

- Designed AI-powered business solutions for sustainability, with features like predictive maintenance and AI-driven resource management.
- Integrated generative AI models to help businesses create eco-friendly models that align with ESG (Environmental, Social, and Governance) objectives.

- Developed the application with a focus on creating real-world, impactful solutions for sustainable business practices.
- Tools Used: Django, React, Docker, AI Technologies (Generative AI).