

UJJWAL THAKUR

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EDUCATION

CHANDIGARH COLLEGE OF ENGINEERING AND TECHNOLOGY

Bachelor of Engineering in Computer Science and Engineering

CGPA: 8.8/10

Coursework Skills: Data Mining and Analysis, Database Management Systems, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

CHANDIGARH, INDIA

Expected May 2026

GOVERNMENT MODEL SR. SENIOR SECONDARY SCHOOL

Senior Secondary Education (Super Medical with Computer Science)

Percentage: 91.2%

CHANDIGARH, INDIA

April 2021 - April 2022

TECHNICAL SKILLS:

Python, Django Framework, Flask, Data Analytics, MYSQL, Mongodb, PostgreSQL, Javascript, HTML/CSS, TailwindCSS Next.js, Machine Learning, Prompt Engineering, C, C++, Git, Google Cloud, AWS.

INTERNSHIP

INFOSYS SPRINGBOARD INTERNSHIP

Intern (Content Management System Development)

Remote

April 2024 – June 2024

- Developed a modern CMS using Strapi (headless CMS) with a Next.js frontend and a Python-based backend wrapper API to enhance content management workflows.
- Designed and integrated a PostgreSQL database for structured content storage, ensuring high performance and scalability.
- Created a wrapper API in Python to extend Strapi's capabilities, allowing seamless integration with third-party services.
- Implemented an image generation API, enabling automatic media creation, storage, and controlled retrieval for frontend display.
- Optimized the frontend with Next.js for a fast and interactive user experience while ensuring efficient API communication with Strapi.

PROJECTS

SWIFTMEDIC

Tech Stack– *Next.js, Express Node.js, MongoDB, Socket.IO, JWT, Google Maps API*

SwiftMedic, an ambulance booking and real-time tracking system with separate user and driver interfaces. Built a secure REST API with JWT authentication and implemented real-time location tracking using Socket.IO and Google Maps integration. The platform features a responsive Next.js frontend with user registration, ride booking, driver dashboards, and admin oversight capabilities.

Key Features: Real-time ambulance tracking and booking, secure user authentication, interactive mapping, driver/admin dashboards.

DEPLOYIQ

Tech Stack– *Next.js, Node.js, Prisma, PostgreSQL (NeonDB)*

Developed during a FOSS hackathon in a team of four, DeployIQ is a fully automated deployment platform for open-source LLMs like Llama 3, Mistral, and Falcon. It enables seamless model hosting, API key generation, and secure access management through a Next.js-based dashboard. Users can select a model, and DeployIQ handles the deployment, hosting, and API provisioning. The system ensures scalability and security with token-based authentication and real-time monitoring of deployed models.

Key Features: One-click LLM deployment, automated API key generation via metadata storage, secure REST/gRPC API access, scalable backend infrastructure, and an intuitive web-based dashboard for model management.

SWIFTMEDIC HEALTHCARE CHATBOT

Tech Stack– *Next.js, FastAPI, Google Gemini AI, PostgreSQL*

An AI-powered healthcare chatbot developed to provide structured medical guidance based on user symptoms. SwiftMedic leverages Google Gemini AI to analyze inputs and deliver accurate disease predictions, first-aid instructions, and next-step recommendations. It ensures quick and reliable health assessments with a user-friendly Next.js frontend and a FastAPI backend for seamless AI model integration.

Key Features: Symptom-based disease prediction, self-check guidance, first-aid instructions, preventive measures, AI-driven treatment recommendations, and optional database storage for interaction history

BLOGSPHERE

Tech Stack – *Flask, HTML, CSS (Bootstrap)*

A lightweight blog platform that allows users to post, edit, delete, and view blog posts with a simple and intuitive interface. BlogSphere features secure user authentication, a personalized profile system, and pagination for seamless browsing.

Key Features: Secure login/registration, post management, customizable profiles, pagination (5 posts per page), and a clean, responsive UI.

ADDITIONAL

Achievements: SIH (SMART INDIA HACKATHON) India's Biggest Hackathon Grand Finalist.

Certifications : Google Advanced Data Analytics(Coursera) Skills(Data Analytics, Machine learning, Python)

Awards: CCET IPD EXPO 2024 FIRST PRIZE, CCET IDEATHON 2024 SECOND RUNNER UP