Aman Patel

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CAREER OBJECTIVE

Motivated Computer Science student with a strong foundation in programming and web technologies, seeking internship opportunities to apply technical skills and contribute to impactful software development projects.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering (IOT)   *2022 - 2026*

Pranveer Singh Institute of Technology, Kanpur   *Percentage (till V semester) :* **86.91%**

XII (CBSE)   *2020 - 2021*

Staford School, Lucknow   *Percentage :*   **91.4%**

X (CBSE)   *2018 - 2019*

Staford School, Lucknow   *Percentage :* **94.8%**

PROJECTS

GIS-Based Utility & Complaint Management System.(*currently working)
- Built a **GIS-enabled** web app for logging and tracking society maintenance complaints via interactive maps.
- Integrated **AI-driven** utility prediction and smart worker allocation with a real-time dashboard for analytics and system tracking.
- **Technologies :** React, FastAPI, Python, SQLite, GIS, AI/ML

PlantHealthAI - Smart Diagnostics for Plants Software
- Designed an AI-enabled application system to help farmers diagnose the health status of their crops, improve crop management, and optimize yields.
- Trained machine learning models using **TensorFlow** for plant disease detection. Conducted data preprocessing and model optimization. Contributed to the design of the **Tkinter** desktop interface for seamless user interaction.
- **Technologies :** Python (Libraries used- Tensorflow, Numpy)

News Portal App with Admin Dashboard.
- Built a full-stack **MERN** news portal with admin dashboard and role-based **authentication (JWT).**
- Developed **RESTful APIs** for articles, users, and categories using **Express** and **MongoDB**.
- Implemented **Redux Toolkit** for state management and responsive UI with Tailwind CSS.
- **Technologies :** React, Node.js, Express, MongoDB, Redux Toolkit, Tailwind CSS.

SKILLS

- **Programming Languages:** C, C++, JavaScript, Python
- **Database Management Systems:** Relational Databases (SQL, MySQL), Non-Relational (MongoDB)
- **Frameworks and Tools:** Node.js, Express.js, React.js, Git
- **Problem Solving:** Data Structures and Algorithms
- **Coursework**: Data Structures and Algorithms, DBMS, Operating Systems, OOPS, Computer Networks.

ACHIEVEMENTS

- **Hackerrank** : Earned Gold Badge – 5 Star in Problem Solving.
- Solved over 300+ DSA problems on **LeetCode.**

CERTIFIACTIONS

- **Supervised Machine Learning**: Regression and Classification - DeepLearning.AI, Stanford University (Jan 2025)
- **Advanced Learning Algorithms** - DeepLearning.AI, Stanford University (February 2025)
- HackerRank Certifications: Problem Solving(Basic + Intermediate)
- Introduction to Natural Language Processing – Infosys Springboard (June 2024)
- Artificial Intelligence Primer Certification – Infosys Springboard (June 2024)