

ANSHUL SINGH

Aligarh, Uttar Pradesh

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LinkedIn

Github

Education

Malaviya National Institute of Technology Jaipur (NIT Jaipur)

May 2020 - Jun 2024

Bachelor of Technology in Computer Science Engineering

Jaipur, Rajasthan

Experience

Invent IP Legal Services LLP

Jul 2024 - Present

Associate (Promoted from Trainee Associate) | Drafting and Prosecution Team

- Drafted 25+ patent applications in domains of AI/ML, cloud computing, computer vision for the USPTO and IPO.
- Managed the full patent drafting lifecycle: reviewed IDFs, conducted 25+ inventor calls, performed novelty searches, drafted claims and specifications, and coordinated filings.
- Collaborated with 4+ Client engineering teams, AI researchers, and R&D units to build strong IP portfolios aligned with emerging technologies.

Soul AI (Freelance)

May 2024 - Jun 2024

Prompt Engineer | Python, MySQL, LLM

- Evaluated 100+ AI responses, maintaining a 4-star rating and improving AI performance by 60%.
- Generated and validated 100+ SQL queries and python code, ensuring accuracy and database alignment.
- Optimized AI model behavior by ensuring 95% alignment with user prompts and predefined quality standards.

Excelerate

Jan 2024 - Feb 2024

Data Analyst Associate Intern | Python, Google Data Studio

- Cleaned and validated two datasets (20,500+ and 27,500+ records) through Exploratory Data Analysis.
- Preprocessed data, addressed 500+ outliers, normalized features, and crafted a wireframe.
- Transformed a prototype into an interactive dashboard, improving data accessibility and analysis speed by 50%.

Homeplanify

Jun 2023 - Jul 2023

Web Developer Intern | JavaScript, CSS, HTML

- Revamped a real estate website to achieve an average page load time of 2.5 seconds.
- Hosted the website on Netlify, ensuring seamless deployment and achieving 99.9% uptime.

Technical Skills

Languages: C++, Python, JavaScript, MySQL

Developer Tools: VS Code, Git/GitHub

Coursework: Data Structures, DBMS, OOP, Deep Learning, NLP, Generative AI, Computer Networks

Projects

Walmart Global Tech - Advanced SE Job Simulation | Python, SQL, UML, System Design Feb 2025 - Mar 2025

- Implemented a power-of-two 2^{pow} Max Heap in Python and built a UML architecture using SOLID principles.
- Designed a 13-entity relational schema for a pet database and scripted data extraction to load data into SQLite.

Blog Application (Full stack) | React.js, Node.js, Express, MongoDB, JWT, REST APIs

Dec 2024 - Feb 2025

- Integrated MERN stack architecture with JWT authentication, enabling 10+ features including user authentication, blog management, with efficient entity management.
- Designed intuitive interfaces allowing easy creation, retrieval, updating, and deletion (CRUD) operations on over 50+ blog posts.

Doctors Handwritten Prescription Recognition | Python, Scikit-learn, Keras, Pandas

Jan 2024 - May 2024

- Developed the custom "MRx Dataset" with 5,000 images across 25 medicine classes and extracted grayscale and HOG features using RGB2Gray and Hog Transformers.
- Engineered a machine learning model achieving 98% accuracy in recognizing and classifying handwritten medicine names from prescriptions; optimized data preprocessing and training processes, achieving a 40% reduction in overall model training time.

Hospital Management System | MySQL, PHP, Xampp, VS Code, JavaScript, CSS, HTML

Jan 2023 - May 2023

- Analyzed database entities, creating an ER Diagram and Relational Schema, reducing query time by 30%.
- Applied normalization, minimizing redundancy by 50% and reducing storage requirements by 25%.

Certificates

AWS Cloud Practitioner Essentials

AWS Generative AI for Executives