SWARN SUMAN

New Delhi | +917667105103 | swarnsuman004@gmail.com | Linkedin | Github

EDUCATION

Indian Institute of Information Technology (IIIT), Manipur   May 2021 – Apr 2025
Bachelor of Technology in Electronics and Communication Engineering   **CPI** – 8.58

SKILLS

- **Languages & Tools:** C, C++, Python
- **Software:** VS Code, MATLAB, GNU octave
- **Database:** MYSQL, MongoDB, PostgreSQL, Redis (Cache)
- **Technical:** Data Structures, Object-oriented Programming, Operating Systems, Database and Management System, Competitive Programming, HTML, CSS, Javascript, TailwindCSS, Git, Postman, AWS, Docker, Bootstrap, React.js, Node.js, REST APIs
- **Interpersonal:** Communication, Problem-solving, Time Management, Critical thinking, Team Collaboration, Leadership

WORK EXPERIENCE

Lagoon Digital Pvt. Ltd.| Gurugram   Dec 2024 – Present

- Developed the responsive home and login pages of the Lagoon platform using **React.js** and **Tailwind CSS**, ensuring modern UI/UX and cross-device compatibility.
- Built reusable **UI components** for internal pages, improving development efficiency and design consistency.
- Collaborated with backend teams to connect frontend components with APIs, enabling dynamic content rendering and a seamless user experience.

ITC PRIVATE LIMITED | Gurugram   May 2024 – Jul 2024

- Developed a data-driven framework to identify optimal store locations using **K-means clustering**, based on historical sales data, demographic trends, and geographical data resulting in the improvement in location-based sales predictions.
- Leveraged **Python libraries** (Pandas, NumPy, Matplotlib, Seaborn, scikit-learn) for advanced data processing, clustering, and visualization.
- Utilized **SQL** for efficient database management and data extraction, and performed preliminary analysis on datasets using **Microsoft Excel**.

PROJECTS

Movie Recommendation System | Python, Pandas, NumPy, Scikit-learn, Cosine Similarity| GitHub   Feb 2024 - Mar 2024

- Processed and cleaned a movie dataset of 3000+ entries, addressing **missing values**, **encoding** 15+ categorical variables, and scaling features for optimal model input.
- Achieved high accuracy in recommendation relevance by calculating movie similarity scores using **cosine similarity** on genres and ratings.
- Evaluated model performance using various **metrics** to ensure relevance and accuracy of recommendations.

Grievance Management System| SQL, HTML, CSS, JavaScript| GitHub   May 2023 - Jul 2023

- Designed a user-friendly complaint management system with real-time **grievance tracking**, reducing average complaint resolution time.
- Developed an intuitive admin panel to efficiently manage user complaints, monitor progress, and ensure timely resolution.
- Enabled inclusive complaint submission by integrating **OCR** and Speech-to-Text technologies.

ACHIEVEMENTS

- **HackwithInfy -** Cleared the Competitive Coding Hackathon organized by Infosys   May 2024
- **IIIT'M Technical Fest (Ahouba)** - Secured 1st Position in Hackathon held in my college Tech fest. Apr 2024
- 2nd Rank in **Debate** Competition during IIIT Manipur's Institute Day.   Apr 2022

CERTIFICATIONS

- Advanced CPP – IIT Bombay
- Web development with HTML, CSS, JavaScript – IBM
- Machine Learning – Udemy
- Crash course on python – Google