

# SALIL MEHAN

(+91) 8076593098 | [salilmehan123@gmail.com](mailto:salilmehan123@gmail.com) | [LinkedIn](#) | [Portfolio](#) | [GitHub](#) | [Leetcode](#) | [CodeChef](#) | [CodeForces](#)

## EDUCATION

<b>Netaji Subhas University of Technology (NSUT)</b> <i>Bachelor of Technology in Electronics and Communication Engineering, CGPA:- 7.51</i>	Dwarka, New Delhi Aug 2021 – May 2025
<b>D.A.V. Public School, Pushpanjali Enclave</b> <i>CBSE (Class XII), Aggregate:- 86.20%</i>	New Delhi Mar 2019 – Mar 2020
<b>D.A.V. Public School, Pushpanjali Enclave</b> <i>CBSE (Class X), Aggregate:- 75%</i>	New Delhi Mar 2017 – Mar 2018

## EXPERIENCE

<b>Artificial Intelligence and Machine Learning using Python Internship</b> <i>National Institute of Electronics &amp; Information Technology (NIELIT)</i>	May 2024 – July 2024 Chennai
---	---------------------------------

- Developed and implemented advanced machine learning models for **Twitter sentiment analysis**, achieving a robust **accuracy rate of 78%**, and extracting actionable public sentiment insights to support data-driven decision-making.
- Utilized Python libraries like **Scikit-learn, Pandas, and NLTK** for **data preprocessing and model development**.
- Designed and executed workflows for **data collection, feature engineering, and classifier evaluation processes**.

## PROJECTS

<b>File Sharing Using NEXTJS</b>   <i>Next.js, Firebase, Tailwind CSS, Clerk Auth, Resend.com</i>	Aug 2024 – Aug 2024
---	---------------------

- Built a secure file-sharing platform using **Next.js, Firebase, and Resend.com** for efficient performance.
- Implemented **Clerk for secure authentication**, ensuring safe file uploads and management.
- Deployed a secure file upload feature allowing users to **share documents easily**, and **set passwords optimally** resulting in a 40% increase in user engagement and contributing to a **smoother experience** for active users.

<b>Dashboard- NEXTJS</b>   <i>Next.js, MongoDB, Tailwind CSS, Redux Toolkit, Razorpay Gateway</i>	Jul 2024 – Aug 2024
---	---------------------

- Built a **responsive and scalable dashboard** with **Next.js** and **MongoDB** for streamlined data management.
- Integrated **Razorpay payment gateway** for **secure, seamless financial transactions** within the platform.
- Engineered a robust **CRUD** functionality that streamlined data management processes, resulting in a 50% decrease in load times and a significant improvement in user satisfaction with the purple theme feature for premium users.

<b>AI Image Generation App</b>   <i>MongoDB, Express.js, React.js, Node.js, OpenAI API, Cloudinary</i>	Jul 2024 – Jul 2024
--	---------------------

- Led the **integration of advanced AI technologies** into the image generation process, enabling **real-time image creation** for users. This enhancement improved functionality and drove a 30% increase in customer engagement.
- Designed an **AI image generator** using **OpenAI's DALL-E model** to convert **text prompts into images**.
- Applied **Cloudinary** for scalable **image storage** and **MongoDB** for efficient **data management** in the project.

<b>Real-Time Chat App</b>   <i>ReactJS, NodeJS, ExpressJS, MongoDB, Redux Toolkit, Socket.IO</i>	Jun 2024 – Jun 2024
--	---------------------

- Developed a feature-rich chat app using the **MERN stack**, incorporating user authentication and message history; the application now hosts over 1,000 conversations per day, driving increased interaction among team members.
- Created **secure user authentication** and **chat history management** for **data privacy and integrity**.
- Engineered a **low-latency messaging solution** using **Socket.IO**, resulting in a 50% reduction in message delivery time and enhancing user satisfaction scores by 30% through seamless **real-time communication** features

## TECHNICAL SKILLS

**Languages:** C, C++, Python, SQL, JavaScript, HTML, CSS, Java  
**Frameworks:** Next.js, React.js, Node.js, Express.js, Redux Toolkit, Tailwind CSS  
**Databases:** MongoDB, MySQL  
**Developer Tools:** Git, GitHub, Firebase, Postman, VS Code, OpenAI, Hugging Face, Meta Llama, Google Gemini  
**ML Libraries:** Pandas, NumPy, Matplotlib, Scikit-Learn  
**Electronics:** Arduino UNO/Nano, Raspberry Pi, Eagle CAD, Fusion 360, MSP430G2553 Microcontroller by Texas Instruments

## ACHIEVEMENTS AND AWARDS

- Won **Rs.12,000** at **Outlier AI Hackathon** for **optimizing AI models** and **delivering innovative solutions**.
- Max CP Profile Ratings:- **Leetcode: 1800 (Top 8% globally)**, **CodeChef: 1523**, **CodeForces: 1233 (Pupil)**.
- Attained the **98.1 percentile** in **JEE (Mains) 2021**, securing a **rank of 18,525 (Common Rank List)** out of **over 1 million candidates**, placing in the **top 2% nationwide**.
- Secured **Rank 258** in the **2019 International Olympiad of Science**, hosted by Silver Zone.
- Achieved **Rank 275** in the **2019 International Informatics Olympiad**, organized by Silver Zone.
- Scored 87%** in the **Data Analytics with Python** course offered by **IIT Roorkee** (Jan 2024 — Apr 2024), earning **Elite + Silver** status and ranking in the **top 5%** of participants.