SWAPNIL MOGAL

Phone: +91 8369170844   **Email:** swapnilmogal26@gmail.com

LinkedIn: linkedin.com/swapnil-mogal   **GitHub:** github.com/swsumo   **Medium:** medium.com/@swapnilmogal26

EDUCATION

Manipal University Jaipur   *July 2021 – Present*
B.Tech in Data Science and Engineering (Final Year, 4th Year)   **CGPA: 8.8/10**

SKILLS

Programming Languages:	Python, SQL, Java, C, C++, Django, Rest APIs
Machine and Deep Learning:	OpenCV, YOLO (v5/v8), Scikit-learn, TensorFlow, PyTorch, Keras, Django
Frontend Development:	HTML, CSS, Tailwind CSS, JavaScript
Data Visualization Analytics Tools:	Tableau, Power BI, Git, Matplotlib, Seaborn, Pandas, NumPy

INTERNSHIP AND WORK EXPERIENCE

- **Business Analyst Intern — Finlatics**   Jan 2024 – Feb 2024
  - Analyzed market trends and developed financial models for fintech solutions, improving decision-making processes and increasing efficiency by 15% in 5+ industry cases
- **Machine Learning Engineer Intern — Artizence Systems LLP**   Jan 2025 – March 2025
  - Designed tailored approaches using large-scale models that addressed three key challenges faced by previous algorithms, ensuring seamless adaptation of technology that improves overall user interaction with machine-generated texts.
- **Data Science Intern — National Payments Corporation of India (NPCI)**   Aug 2025 – Jan 2026
  - Built an end-to-end analytics dashboard for CBDC–CBDC and CBDC–UPI interoperable transactions, handling data engineering, insights generation, and visualization from scratch to compute bank-level KPIs, success/failure rates, and anomaly detection
  - Contributed to the CBDC reconciliation system by identifying discrepancies across issuance, redemption, inward, and outward transactions for participating banks.

PROJECTS

- **PPE Safety Kit Detection**
  - Architected a real-time object detection model using YOLOv8, achieving 95% accuracy in detecting PPE such as helmets, gloves, and vests. Integrated the model with a Flask web application for seamless deployment and monitoring. (GitHub Link)
- **Story Generation Project**
  - Developed a Transformer-based story generation model trained on 200+ books collected via the GutenDex API. Using NLP pre-processing techniques and deep learning to generate engaging, structured stories. (GitHub Link)
- **NHL Prediction Application**
  - Built a web application for predicting NHL game outcomes using a trained Random Forest model. Integrated live score fetching via the NHL API and deployed the model using Streamlit and Frontend, allowing real-time predictions of ongoing games. (GitHub Link)

LEADERSHIP

- **IEEE-WIE Core Committee Member:** Spearheaded the planning and execution of five technical workshops for IEEE Women in Engineering, engaging 300+ participants and facilitating new skills and networking opportunities with industry professionals.
- **Student Placement Council Member:** Directed and implemented feedback mechanisms for resume and interview preparation sessions, leading to continuous improvement; obtained positive testimonials from 90% participants about the quality and effectiveness of the support provided.

CERTIFICATES

- Completed **Google Cloud Study Jams** conducted by Google Developer Student Club (Certificate)
- Completed **AI/ML and Data Science Boot camp** (Certificate)