

EDUCATION

Chandigarh University B.E. in Computer Science and Engineering; GPA: 8.28/10.0	Chandigarh, India Jun 2025
Delhi Public School Class XII (CBSE - PCM); Score: 91%	Bokaro Steel City, India Jun 2021

EXPERIENCE

Navikenz • <i>Software Engineer (Data Engineering and AI)</i> ◦ GSK Automation: Spearheaded a GenAI-driven QA/QC framework for campaign documents, reducing manual labor and operational costs by 80% through automated quality validation on Databricks Platform. ◦ GenBI Engine: Developed a Text-to-SQL conversion engine leveraging LLMs to facilitate seamless data retrieval and automated visualization for non-technical stakeholders. ◦ Pharma Copilot: Architected an intelligent drug manufacturing system using Reinforcement Learning (RL) and forecasting models to optimize production efficiency and prevent batch defects.	Noida, India <i>Mar 2025 - Present</i>
Intel Corporation • <i>Data Science Intern</i> ◦ Sign-to-Speech Translation: Researched and implemented a sign language-to-speech engine using Transformer architectures and Computer Vision. ◦ Technical Stack: Leveraged Intel OpenVINO, Tableau, and Orange for model optimization and data storytelling.	Remote/Chandigarh <i>Jun 2023 - Jul 2023</i>

SKILLS

Programming	Python, SQL, JavaScript
AI & ML	Generative AI, Computer Vision, Deep Learning, Reinforcement Learning, NLP
Tools & Frameworks	PyTorch, TensorFlow, LangChain, LangGraph, OpenCV, Power BI
Cloud & Platforms	AWS, Azure, Databricks, Git, Docker

PROJECTS

Sign Language to Speech Translation Developed a real-time ISL translation system achieving 97% accuracy. Utilized a custom-curated dataset and optimized CNN layers for low-latency inference on edge devices.	[CNN, TensorFlow, OpenCV]
Driver Monitoring System (DMS) Built a real-time safety application to detect driver fatigue, seatbelt compliance, and phone usage. Integrated a cross-platform Flutter app with a Flask backend for instant alerts.	[YOLOv8, Dlib, Flutter, Flask]
Pharma Copilot Platform Created an end-to-end AI platform for pharmaceutical manufacturing featuring autonomous control loops, demand forecasting, and automated compliance reporting.	[GenAI, LSTM, XGBoost, Q-Learning]

ACHIEVEMENTS & CERTIFICATION

- **Databricks Data Engineer Associate:** Cleared the Databricks Certification for Data Engineer Associate (2025).
- **Oracle GenAI Professional:** Cleared the Oracle Certification for GenAI Professional (2025).
- **Best Project Award:** Recognized by Chandigarh University for developing a Driver Activity Monitoring System (2024).
- **NPTEL Star Performer:** Ranked in the top 2% nationally in the IoT course conducted by IIT Madras (2024).
- **Hackathon Runner-Up:** 1st Runner-up at AirOthon, organized by US Consulate Kolkata & KIIT-TBI (2022).