

# NILAY NAHA

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## PROFESSIONAL SUMMARY

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Engineering graduate with a strong foundation in **software development**, **data analysis**, and **structured problem solving**. Experienced in understanding **requirements**, supporting **development and testing activities**, creating **technical documentation**, and applying **analytical skills** to assess data and system behavior. Comfortable learning organization-specific tools and methodologies, working within **defined processes**, and supporting delivery teams in **technology and analytics projects**.

## TECHNICAL SKILLS

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<b>Programming</b>	Python, SQL, Kotlin, C
<b>Software Eng</b>	Requirements Analysis, Technical Documentation, Unit Testing, Debugging
<b>Analytics</b>	Data Analysis, Pattern Recognition, Qualitative Assessment, Model Validation
<b>Tools &amp; Concepts</b>	Git, Automation Scripting, Structured Logging, Basic Statistical Analysis
<b>Professional</b>	Communication Clarity, Teamwork, Process Adherence, Learning Agility

## INDUSTRIAL TRAINING

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### Industrial Training – Additive Manufacturing

June 2025 - July 2025

Center for Development of Advanced Computing (C-DAC)

*Siliguri*

- Underwent structured training focused on engineering workflows, system understanding, and documentation practices.
- Led a small team as project lead for an ergonomic hand grip design, coordinating tasks and timelines.
- Designed, tested, and validated components using CAD tools with emphasis on usability and repeatability.
- Created and maintained technical documentation covering design iterations, configurations, and outcomes.

## PROJECT EXPERIENCE

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### Face Recognition System (Python)

- Developed a real-time system using confidence-based decision logic for identity matching.
- Supported testing and validation by analyzing outputs, improving accuracy, and documenting results.
- Applied analytical thinking to assess data quality, system performance, and limitations.

### NetPulse v2.0 – Network Telemetry Monitor (Kotlin)

- Built an application to collect and analyze usage data over time to identify trends and anomalies.
- Applied analytical techniques to identify trends, anomalies, and performance issues.
- Supported test execution through structured logs, test scenarios, and documentation.

### Drishti Lens – AI Smart Wearable Project (Ongoing)

- Supporting data capture, validation, and testing for sensor-driven systems.
- Assisting in iterative development through issue tracking, test feedback, and documentation.
- Collaborating with team members to improve system reliability and design decisions.

## EDUCATION

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### B.Tech in CSE (Artificial Intelligence and Machine Learning)

Expected 2026

Siliguri Institute of Technology

*Current CGPA: 7.58*

### Diploma in Computer Science and Technology

2023

Siliguri Govt. Polytechnic

*CGPA: 8.4*