

Dhondup Dorje

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EDUCATION

Delhi Technological University, Delhi <i>Bachelor of Technology in Computer Science</i>	CGPA: 9.07/10 <i>2023-2027</i>
Brahma Shakti Public School, Delhi <i>CBSE Class XII</i>	Percentage: 89% <i>2021-2022</i>
Lamdon Model Senior Secondary School, Ladakh <i>CBSE Class X</i>	Percentage: 90.2% <i>2019-2020</i>

EXPERIENCE

Mont & Paix <i>Software Developer</i> NomadID Dashboard NomadID Overview	<i>Leh, Ladakh</i> <i>May – July 2026</i>
• Took a cooperative pashmina supply chain off paper and onto NomadID, a traceability platform for the All Changthang Pashmina Growers Cooperative (UT Ladakh), covering roughly 19 tonnes of raw fibre collected in the 2026 season and cutting batch documentation from 21 days to 7. • Helped model the chain end to end, so a finished batch can be traced back through processing and collection to the individual herder who supplied the fibre. • Worked on the Layer 2 cooperative dashboard, building out the back-office interface for pricing, payouts, and processing analytics.	
National Institute of Electronics and Information Technology (NIELIT) <i>Intern</i> <i>Smart Hydroponics System</i> Certificate	<i>Leh, Ladakh</i> <i>May – July 2025</i>
• Engineered an IoT-based hydroponics system using ESP32, integrating DHT11, pH, and NPK sensors for real-time monitoring of environmental and nutrient conditions. • Implemented Firebase for real-time data storage and synchronization, and integrated Blynk for remote system control and monitoring.	

PROJECTS

Longitude, Lab Report Tracking Across Labs <i>TypeScript, PostgreSQL, Next.js, Gemini</i> Library Live Demo
• Published a LOINC and UCUM normalisation library with 40 unit tests, mapping the different names laboratories print for one test onto standard codes and handling affine conversions such as HbA1c. • Read lab report PDFs with a vision model restricted to copying printed values, leaving every conversion to that library, so a model misreading cannot silently rewrite a medical record. • Built a web application storing each reading by LOINC code and canonical unit, so different laboratories collapse into one series per test, isolated per family by PostgreSQL Row Level Security.
NullChat, Private Chat Platform <i>Node.js, Fastify, WebSockets, Redis, React</i> GitHub
• Built a real time, room based chat system using WebSockets with a stateless backend and zero server-side message persistence for enhanced privacy. • Designed a secure access mechanism using cryptographically generated Room IDs and Access Keys with validation to prevent unauthorized entry. • Implemented Redis-based ephemeral state management with TTL-driven cleanup for rooms and sessions, improving memory efficiency and scalability.

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, TypeScript, SQL, Java
Frameworks and Libraries: Node.js, ReactJS, Next.js, Fastify, Rasa, Tailwind CSS, Numpy, Pandas, Scikit-learn, Matplotlib
Databases and Tools: PostgreSQL, Redis, MongoDB, MySQL, Firebase, Git, VS Code
Core Fundamentals: Object-Oriented Programming, Data Structures and Algorithms, Machine Learning, Database Management Systems, Operating Systems, Computer Architecture and Organization

ACHIEVEMENTS & EXTRACURRICULAR

- **LeetCode:** Solved 400+ problems with a **Contest Rating of 1760**, demonstrating strong proficiency in Data Structures and Algorithms | [Profile](#)
- **Smart India Hackathon 2024:** Selected out of 300+ university teams to participate in the national-level competition | [Certificate](#)
- **NCC (National Cadet Corps):** Awarded Certificate 'A' with the rank of 'Cadet' under the authority of the Ministry of Defence, Government of India