

CONTACT

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Github

<https://github.com/NishthaLath>

LinkedIn

<https://www.linkedin.com/in/nishtha-lath-335206276/>

SOFT SKILLS

- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

TECH SKILLS

- Programming Languages:** Python, Java, JavaScript, C, C++, HTML, CSS(Tailwind)
- Frameworks & Tools:** Node.js, React, Spring Boot, Docker, PyTorch, Hugging Face, Google Colab
- Networking and protocols :** TCP/IP protocols, socket programming, and communication protocols
- Machine Learning:** NLP, Conversational AI, Large Language Models (LLMs), Dataset Creation
- APIs & Cloud Services:** Google Cloud (Speech-to-Text, Text-to-Speech, Maps), RESTful APIs Design
- OS:** Ubuntu, Windows

EDUCATION

- Kyungpook National University**
BS Computer Science and Engineering (2022-2026)
Cumulative GPA: 3.52/4.3 (Currently)
Prior semester: 3.77/4.3
- St. Xavier's High School, Balrampur**
High School Diploma (12th) (2020-2021)
Grades: 89.4%
- St. Xavier's High School, Balrampur**
High School Diploma (10th) (2018-2019)
Grades: 94%

LANGUAGES

- English - Advanced Proficiency**(Fluent)
- Hindi** (Fluent - **Native Speaker**)
- Korean - Advanced Proficiency** (TOPIK Level 5 - [Certificate Link](#))



NISHTHA LATH

COMPUTER SCIENCE STUDENT

Innovative and Result-driven with a keen interest in AI, Natural Language Processing (NLP), Web Development and Cybersecurity.



RESEARCH AND PUBLICATIONS

Evaluating LLaMA Model for Enhanced Conversational AI in Voice Recognition Kiosks: A Case Study on RASA vs. LLaMA

- Presented at conference **UCWIT 2024**, hosted by the **Korean Institute of Information Scientists and Engineers (KIIE)**.
- Conducted a **comparative analysis of LLaMA and RASA frameworks**, highlighting **LLaMA's superiority** in handling dynamic and complex retail environments.
- Won the **Excellent Paper Award (Top 4 out of 47 teams)**, presented by the **President of KIIE**.
- Github:** [UCWIT-2024-ResearchPaper-Github](#)



PROJECTS

갈: 벵 (Visioned) - Accessible Public Transportation Kiosk

OCT 2024 - NOV 2024

- Developed a public **transportation kiosk** tailored for seniors, simplifying navigation through intuitive, **voice-driven interfaces**.
- Lead** the **backend** using **Node.js** and integrated **Google Cloud APIs(STT, TTS & MAPS)** for speech recognition and route optimization.
- Worked on **React-based frontend**, **Material UI** with **team** prioritizing accessible UI.
- Github:** [Map_Kiosk_Code_Github](#)
- Technologies Used:** Node.js, React, Google Cloud APIs, RESTful APIs

AI-Driven Voice Recognition Kiosk For Cafe Orders

SEP 2024 - DEC 2024

- Developed a **voice-command-based kiosk** with **team**, leveraging the **LLM based LLaMA model** to improve accessibility for elderly and disabled users.
- Led** the **Front End development** of the kiosk for real-world application.
- Implemented **Prompt Engineering** to handle complex and ambiguous commands.
- Utilized libraries like **Transformers** and **PyTorch** for training and fine-tuning the **LLaMA 3 model**.
- Conducted **testing and Fine-tuning** of models with the **Unsloth framework**.
- Deployed fine-tuned models on the **Hugging Face Hub** ([View Model](#)) and tested for complex scenarios using **LM Studio**.
- Github:** [Kiosk_Organisation_Code_Github](#)
- Technologies Used:** Python, PyTorch, Transformers, Hugging Face, LLaMA 3, Unsloth, LM Studio

Backend Developer - KERT Cybersecurity Club Website

AUG 2024 - NOV 2024

- Led** the **backend development** for the official website of **KERT**, the university's **cybersecurity club website**, using **Java** and **Spring Boot**.
- Designed secure **RESTful APIs**, managed databases with **JPA/Hibernate**, and optimized server performance.
- Built and tested schemas with **H2 in-memory database** for seamless query execution and reliability.
- Streamlined project structure and dependencies with **Gradle**, enhancing build efficiency and maintainability.
- Github:** [KERT_Backend_Code_Github](#)
- Technologies Used:** Java, Spring Boot, JPA/Hibernate, H2 Database, Gradle, RESTful APIs



WORK & EXPERIENCE

Frontend Developer Intern (Team Leader) - RikkeiSoft Corp

JAN 2025 - JAN 2025

- Developed **InflowChat**, an **AI-powered chatbot** designed to enhance **company-wide communication** by **assisting** employees, administrators, and clients **with real-time query resolution**.
- Solely led** and developed the **frontend architecture** using **React.js (TypeScript)** & **Tailwind CSS**, ensuring a seamless user experience.
- Gained **expertise** in **project management tools**, like **Trello**, **Use Case Diagrams**, **WBS**, and **Gantt Charts** to streamline **task allocation**, track progress, and ensure **efficient project execution**.
- Implemented **role-based dashboards** for users and admins, integrating enhanced **admin-exclusive functionalities** such as **file** and **weblink management** and **prompt customization**.
- Github:** [InflowChat_Organisation_Code_Github](#)
- Technologies Used:** React.js (TypeScript), Tailwind CSS, Git & GitHub



ACHIEVEMENTS

- Global Korea Scholarship Recipient (2022):** Awarded a **fully-funded** scholarship covering my 4-year undergraduate degree in Computer Science Engineering in Korea.
- 2nd Prize, International Student Talent Show:** Recognized for an exceptional dance performance **showcasing my country's cultural** creativity.
- Excellent Paper Award, UCWIT 2024:** Honored for submitting **outstanding research** results, awarded by the **President of KIIE**.



LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- International Student Organization (ISO) Member:** Organized **cultural** and **networking events** to **support** and engage **international students** in campus life.
- International Student Representative:** Leading international students in the **CS Department**, assisting with **academic guidance** and **university affairs**.
- KERT Cybersecurity Club Member:** Competed in **Capture the Flag (CTF)** tournaments, specializing in **web security**, **cryptography**, and **reversing**.
- Dance Enthusiast:** Achieved **consecutive wins** in departmental and university **talent shows**.
- Confident Debater:** Secured **multiple awards** in debate competitions conducted in both **Korean and English**.