

# Nalongsone Danddank *he/him*

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## EDUCATION

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**University of Massachusetts Amherst**

Exp. Graduation May 2027

Manning College of Information and Computer Sciences

Masters of Science in Computer Science

**Courseworks:** Machine Learning, Artificial Intelligence, Systems for Data Science, Robotics.

## WORK EXPERIENCE

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**Beaconfire Inc.**

May 2022 – May 2025

*Software Developer Full-time*

Newark, NJ

- Created sample APIs for demonstrating functionalities to the clients and coordinated with the business development team of 12 to create such APIs.
- Created a serverless REST API using java for effective real-time communication among peers and within a specified geographical area, reducing monthly expenses by 31%.
- Facilitated regular brainstorming sessions with the product team, fostering innovative solutions that aligned with user needs and project goals.

**Infosys Limited Inc.**

Dec 2019 – May 2020

*Software Engineer Full-time*

Phoenix, AZ

- Identified customer requirements and modified the API application adhered to that client servicing and technical writing and also aided the product team of 10.
- Developed a new business innovation application using Java for migrating existing processes, reducing almost 80% of manual processing time.
- Worked closely with cross-functional teams to gather requirements, facilitating seamless integration of features and enhancing overall project efficiency.

## PROJECTS

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**Small LLM:** [github.com/ping58972/SmallLanguageModel](https://github.com/ping58972/SmallLanguageModel)

Nov 2020 – Dec 2020

- Implemented a modular Small Language Model (S-LLM) framework in PyTorch, scaling from linear and MLP models to self-attention architectures with configurable context length and model size.
- Built an end-to-end training and evaluation pipeline with log-likelihood loss, multiple optimizers, FLOPs tracking, and systematic hyperparameter sweeps.
- Analyzed performance–efficiency trade-offs, comparing test log-likelihood against model capacity and training FLOPs to study scaling behavior.

## SKILLS

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- Programming Languages: Python, Java, JavaScript, SQL, Bash, JSON, YAML, HTML/CSS, OOP, Design Patterns
- Tools: Linux, Git, MySQL, NoSQL, Docker, AWS, NodeJs, Spring-Boot, Flask, Postman, Microservice, Jenkins..
- Soft Skill: I bring adaptability, creative problem-solving, critical thinking, clear communication, and cross-cultural collaboration skills that bridge my past experiences

## LEADERSHIP EXPERIENCE

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**CS Club**

Volunteer Multiple Activities

Nov 2020 – May 2022

- Led and organized Computer Science club technical sessions, mentoring peers on Computer Science and engineering concepts while coordinating workshops and collaborative projects.