

# Nameet Rajore

[in](#) Nameet Rajore | [nameetrajore.com](https://nameetrajore.com) | [nameet.rajore@gmail.com](mailto:nameet.rajore@gmail.com) | [+91 8888475692](tel:+918888475692)

## Education

**Birla Institute of Technology and Science, Pilani**  
*B.E. Computer Science + M.Sc. Physics*

2019 - 2024  
CGPA: 8.5

## Work Experience

**Amazon - Software Development Engineer**

Dec 2024 - Present

- Enabled marketplace-specific configurations and custom execution logic for Amazon Payments Tier-1 service, **cutting engineering effort by 30%** for new marketplaces.
- Increased resilience during peak loads by building a custom rate limiter for a Tier-1 service, preventing outages and driving **\$2.5M in additional GMS**.
- Fast-tracked the expansion of our Installments product for Amazon Business **from 1 to 5 marketplaces by 12 weeks**.
- Restored customer access by backfilling **150M+ records** using AWS Glue with 0% errors.
- Built an internal **Gen-AI** productivity platform using **GraphRAG** on Bedrock and **MCP Servers**, reducing new partner launch time by **25%**.

**Kinara, Inc. - Software Engineer**

Jul 2024 - Nov 2024

- Optimized LLMs/vLLMs with **QAT** and **PTQ**, reducing model size **up to 4x** and **inference latency by 30-40%**.
- Enabled deployment of generative AI models on resource-constrained edge chips while maintaining **95% accuracy**.

**Samsung R&D - ML Research Intern**

Jan 2024 - Jun 2024

- Built a pipeline with **VRAE** to embed Ultra-wideband timeseries for classification and autofocus distance prediction, which was shipped in **Samsung S25**.
- Prototyped **DeepCluster-based unsupervised clustering** to extract structure from unlabelled Ultra-wideband data.

**Amazon - Software Development Intern**

Jul 2023 - Dec 2023

- Optimized product page asset management for **Amazon Detail Page**.
- Strengthened CI/CD pipeline for Amazon Detail Page by **2%** with automated latency-regression checks by parsing response markers in real-time.

## Projects

**2BRented - Full Stack Web App**

[Github](#)

- Rental platform for 2-wheelers with customer, owner, and manager roles; built with **React 18**, **Redux**, **Node.js**, **Supabase**, **AWS S3**, and **Razorpay**

**Monke Interpreter - Compiler Design**

[Github](#)

- Built a tree-walking interpreter in **Go** with a REPL, implementing all stages from scratch: **lexer**, **parser**, **AST**, and **evaluator** with support for closures and dynamic typing

**Hyperquicksort - Parallel Computing**

[Github](#)

- Implemented **hypercube quicksort** in **C** using **OpenMP**, achieving **5-8x** speedup over sequential quicksort via parallel local sorting and **log(n)** inter-thread merge rounds

**LALR: Lipschitz Adaptive Learning Rate - Machine Learning**

[Github](#)

- Validated an adaptive learning rate framework in **TensorFlow** and derived the **Lipschitz constant** for Huber Loss, achieving **5-20x** faster convergence over constant learning rate across 3 datasets

**Path Finding Visualiser - Data Structures and Algorithms**

[Github](#)

- Interactive visualiser for 5 pathfinding algorithms (Dijkstra, A\*, BFS, DFS) and maze generators built with **React 18** and **Redux Toolkit**

## Skills

Languages

Java, Python, JavaScript, TypeScript, SQL, Go, C++

Backend

Spring Boot, Node.js, REST APIs, CI/CD

Frontend

React, HTML/CSS

Cloud/Databases

AWS S3, Bedrock, Step Functions, Glue, DynamoDB, EC2, AppConfig, Neptune

Machine Learning

PyTorch, Hugging Face, Model Quantization, Edge AI, Model Context Protocol