Peerzada Danish

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EDUCATION

National Institute of Technology (NIT), Srinagar　　　Aug 2019 - Jul 2023
B.Tech. in Electronics and Communication Engineering　　　*CGPA: 9.38/10*
Thesis: Phenotype Identification using BERT-Based Machine Learning Model in Medical Reports

WORK EXPERIENCE

Swiggy, Bangalore (Remote)　　　Feb 2025 – Present

Software Engineer 2　　　Oct 2025 – Present

- Designed and implemented a real-time chat system between delivery executives and customers, scaling to 14M+ monthly active users (MAU).
- Built an AI-powered Copilot feature integrating LLM-based message verification for agent communications.
- Redis, Kafka, DynamoDB, SQS, Docker, Java, Go

Software Engineer 1　　　Feb 2025 – Oct 2025

- Led the "Order for Others" initiative, enabling web-shareable tracking links for non-app users, significantly improving user convenience when ordering for others.
- Architected and implemented solutions for multi-level order management, successfully onboarding a new business line into the ecosystem.
- AWS, EC2, S3, Kafka, DynamoDB, SQS, Docker, Java, Go

Oracle, Bangalore　　　Aug 2023 - Feb 2025

Associate Software Engineer

- Built CI/CD pipelines using GitLab CI and ArgoCD, resulting in a 90% reduction in deployment time.
- Led AI/ML integration for predictive modelling and automated report generation while collaborated with cross team architects to build complex mathematical models for multiple products.
- Java, Python, OCI Compute, Kubernetes, Oracle NoSQL, PyTorch, React.

Indian Institute of Science, Bangalore　　　Jan 2023 - Jun 2023

Machine Learning Research Intern

- Developed an NER model using Sci-BERT and other deep learning methods, resulting in 98% bin accuracy in clinical disease phenotype extraction.
- Employed graph-based optimization techniques for dataset generation, resulting in a 95% reduction in processing time.
- Optimised model training with PyTorch DDP for distributed computing, reducing training time by 95 percent.
- PyTorch, Python, Nvidia CUDA, Distributed Learning, NLP.

SKILLS

Tech Stack: Node.js, Spring Boot, Go, PyTorch, Docker, Kubernetes, React.js, Express.js, TensorFlow, Helidon SE, Keras, Next.js, Tailwind CSS, Git, ArgoCD, DynamoDB, GitLab CI, SQS, Kafka

Skills: Backend Development, Multithreading and Concurrency Control, Software Engineering, High-Level System Design, Low-Level Design, Restful Microservice Architecture, Deep Learning, ML, DevOps, Database Design, Computer Science Fundamentals, Distributed Scalable Systems

PROJECT WORK

- **Velorum (AI Coding Agent CLI):** A command-line AI coding assistant built with LangGraph and LangChain, enabling developers to interact with codebases through natural language. Features multi-provider LLM support, Human-in-the-Loop (HITL) approval workflow, and an intelligent task planner for structured multi-step problem solving.
- **Passify (Auth as a Service):** A plug-and-play auth solution with a Node.js backend for React and Next.js apps. It offers ready-to-use, customizable login/signup components, supports credentials and Google OAuth, and helps developers secure apps in minutes.
- **Transformer Implementation** Built key Transformer components—Encoder, Decoder, Multi-Head Attention, Projection layers—from scratch in PyTorch, and assembled them into a fully functional language model following Attention Is All You Need.

AWARDS AND CERTIFICATES

- Gold Medalist, Bachelor's Degree
- Received MVP Award at Swiggy for high impact contributions and engineering excellence