

Naman Khurpia

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SUMMARY

3+ years of industry experience in **Full-stack Software Development and Machine Learning**.
Experience with SDLC, **Waterfall & Agile** methodologies, with expertise in **architectural design**.
Motivated team player with strong analytical, problem-solving and project management skills.

SKILLS

Programming Languages – Java, TypeScript, JavaScript.

Backend Frameworks – Spring Boot, Hibernate, Node JS.

Frontend Frameworks – Angular 14, React JS, Native Android App Development.

Cloud technologies – AWS EC2, Azure, Elastic Beanstalk, EC2, S3, Lambda.

Tools – Docker, Apache Kafka, Rabbit MQ, Jenkins, Junit, Mockito, SonarQube, Redis, Git, Netflix OSS, SQL, MongoDB, Vault.

EDUCATION

Master of Science – Computer Science and Engineering

GPA 3.83 out of 4

The State University of New York at Buffalo

January 2024

Bachelor of Technology – Computer Science and Engineering

GPA 8.49 out of 10

VIT University, Vellore Institute of Technology

June 2020

EXPERIENCES

Inpleo LLC, Pittsburgh, Pennsylvania, Machine Learning Engineer

March 2024 – present

- Developed OCR model using **LayoutLMV3** with **Pytorch Lightning module**, working with Multiple GPUs and maintaining memory overload, consuming heavy sets of data with Kafka, Setting up new **Kafka topics** and **Kafka broker** agents.

Eitacies Inc, Santa Clara, California, Full-Stack Engineer Intern

August 2023 – January 2024

- Developed NLP Model to detect **Racial discrimination** from video dataset, collaborated with a Realtime pipeline for detection.

OneDataShare, Research Assistant, Buffalo NY, Cloud Developer

January 2023 – May 2023

- Collaborated at Transfer Scheduler, facilitating transfer of **terabytes** of data from Drive, S3 using **Kafka** and **RabbitMQ**.
- Implemented **PKI** secrets engine using **Vault** in **Spring Boot**, enabling token management with fine grained **ACL policies**.

TATA Consultancy Services

TCS Digital, Bangalore, India, Full-Stack Engineer

August 2020 – July 2022

- Built and trained an **NLP model** to optimize code conversion from one syntax to another using **RNNs**, identifying and resolving ambiguities. Achieved an impressive accuracy of 88% for converting Cobol to Java (Spring) for 10 million lines.
- Led the design and development of Western Union's money transfer solution using Spring Java Microservice, collaborating with 10+ teams and re-architecting the WillCallStore (WCSTOX) program's solution to manage transactions from 50+ countries.
- Developed a microservice layer that validates and stores all money order records in postgres and connecting data-stream Kafka, configurations of multiple Kafka topics, devised a common encryption layer to ensure the security of sensitive data.

TCS Digital, Bangalore, India, Full-Stack Engineer Intern

Jan 2020 – June 2020

- Collaborated at CMA to support the development of a large-scaled solution for a MNC, server-side load balancing-**Netflix OSS**.

PROJECTS

[GitHub](#)

- OpenAI API Build Tools** (2024) – Designed **Maven** and **Gradle** build tools for Chatting, Moderation - OpenAI API, enabling **asynchronous** calling of all endpoints, implemented **multithreading** support, currently live on **maven central**. [Link](#)
- AdmitWise** (2024) – Created an Admissions portal where we evaluated profiles to analyze applicant's documents like Resume, SOP, test scores and ranking them. (React JS + Spring Boot + NLP) [Link](#)
- Click-Bait Spoiler Detection** (2023) – Achieved 73% accuracy by utilizing advanced algorithms (**RoBERTa**, **DistillBERT**, **Sentence Transformers**) to classify and detect clickbait spoilers in various text formats. [Report](#)
- Paper VIT (2023) – Created a question paper supplier Android app (**Java** + **Kotlin**), added Facebook ads for monetization. [Link](#)

ACHIEVEMENTS

- Mentor at Grace Hopper Conference 2023, Open-source contribution to **NodeJS-core** repository. 2023
- Special Achievement Award by TCS – Employee of week during award Sprint. 2022