

Naman Khurpia

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EDUCATION

Master of Science – Computer Science and Engineering

The State University of New York at Buffalo

GPA 3.83 out of 4

January 2024

Bachelor of Technology – Computer Science and Engineering

VIT University, Vellore Institute of Technology

GPA 8.49 out of 10

June 2020

SKILLS

Programming Languages – Java, Python, TypeScript, JavaScript.

Backend Frameworks – Spring Boot, Hibernate, Node JS.

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

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

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

TECHNICAL EXPERIENCES

Eitacies Inc, Santa Clara, California, Machine Learning Engineer Intern

August 2023 – present

- 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 Google Drive, S3 using **Kafka and RabbitMQ**
- Implemented **PKI** secrets engine using **Vault**, enabling token management with fine grained **ACL policies**.

TATA Consultancy Services

TCS Digital, Bangalore, India, Cloud Engineer

August 2020 – July 2022

- 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 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.
- Built and trained an **NLP model** to optimize code conversion from one syntax to another, identifying and resolving ambiguities. Achieved an impressive accuracy of 88% for converting Cobol to Java (Spring) for a codebase exceeding **10 million lines**.

TCS Digital, Bangalore, India, Cloud Engineer Intern

Jan 2020 – April 2020

- Collaborated at CMA (Cloud Microservices Amplification) Department to support the development of a large scaled solution for a MNC, incorporating server-side load balancing using **Netflix OSS, Ribbon** and **Jenkins** pipeline, deployment on **AWS**.

PROJECTS

[GitHub](#)

- AdmitWise (2023), School of Computer Science** – 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)
- OpenAI API Build Tools (2023), Personal Project** – Designed **Maven** and **Gradle** build tools for Chatting, Moderation - OpenAI API, enabling asynchronous calling of all endpoints, Implemented multithreading support. [Link](#)
- Dall E 2 Clone (2023), Personal Project** – An open-sourced Android App that allows content creators to generate images using OpenAI's – Dall-E API and post on social media, developed within 2 days following the launch of APIs. [Link](#)
- Click-Bait Spoiler Detection (2023), School of Computer Science** – Achieved 73% accuracy by utilizing advanced algorithms (RoBERTa, DistillBERT, Sentence Transformers) to classify and detect clickbait spoilers in various text formats. [Report](#)
- Car Agent reward-based reinforcement learning project (2023) School of computer science** – Implemented a graphical grid world with different reward-based algorithms – greedy, SARSA, Q-learning with strategies – stochastic, deterministic.
- Coneato (2022), Personal Project** – A Hyper Casual Multiplayer Machine Learning Game for Android. [Link](#)

ACTIVITIES & ACHIEVEMENTS

- Mentor at Grace Hopper Conference 2023, Open-source contribution to **NodeJS-core** repository. 2023
- Administered workshop on Git and GitHub for Master & PhD students, under guidance of [Alina Vereshchaka](#). 2023
- Special Achievement Award by TCS – Employee of week during award Sprint. 2021
- Lead Android Developer and Board of Management at Apple Developers Group – Vellore, India 2020