Naman Khurpia

• Buffalo, NY, 14214 • (716) 770-9690 • namankhurpia2@gmail.com • LinkedIn • namank.xyz • blog

EDUCATION

Master of Science – Computer Science and Engineering GPA 3.83 out of 4
The State University of New York at Buffalo *Feb 2024*
Bachelor of Technology – Computer Science and Engineering GPA 8.49 out of 10
VIT University, Vellore Institute of Technology *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

OneDataShare, Independent Study, Buffalo NY, *Cloud Developer* *Jan 2023 - May 2023*
- Collaborated at Transfer Scheduler, facilitating transfer of terabytes of data from Google Drive, ftp using Kafka and RabbitMQ.
- Infrastructure setup –Implemented PKI secrets engine using Vault, enabling token management with fine-grained ACL policies.

TATA Consultancy Services

TCS Digital, Bangalore, India, *System Engineer (Cloud Engineer)* *Aug 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'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.
- 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.
- Led a team of 10 to provide efficient troubleshooting capabilities, designed, & built Angular webapp- searching Money records.

TCS Digital, Bangalore, India, *Systems Engineer Intern (Cloud Engineer)* *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 -Netflix OSS, Ribbon and Jenkins pipeline, deployment on AWS.

PROJECTS   Check GitHub
- **OpenAI API** (2023), *Personal Project* –Designed Maven and Gradle build tools for OpenAI API, enabling asynchronous calling of all endpoints. Implemented multithreading support for enhanced performance and efficiency in API usage.
- **Dall E 2 Client** (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. live on playstore
- **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 using different strategies- stochastic, deterministic.
- **AR-Store** (2023), *School of computer science* - App-visualizing various scientific concepts in AR using Unity. view here
- **Coneato** (2022), *Personal Project* - A Hyper Casual Multiplayer Machine Learning Game for Android. live on playstore
- **Paper VIT** (2019), *School of computer science – Fall 2019*, Question paper viewing app (Android) for VIT University, implemented Facebook ads for monetization of service, managed to get more than 2k downloads + 10k traffic. live on playstore

RESEARCH PAPERS/ EXPERIENCE
- **Lead Author/ Springer Singapore Journal** - *2020 MARCH,* Molecular Dynamics using OpenMP+ SIMD. View paper
- **Lead Author/ IEEE Vizag Bay Section,** *2021 MARCH,* Analysis of Machine Lexical using NLP. View paper

ACTIVITIES & ACHIEVEMENTS
- 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
- 1st Prize at MLH Local - Hackday - invented a human sentiment analysis using classification - App. 2019
- 3rd Prize Winner at App Challenge –tech fest of VIT, Launched an ecommerce app in less than 12 hrs. 2019
- 3rd Prize Winner at Hack4Cause - build an VR/AR app, helping dyslexic students understand scientific concepts. 2018