

# Apurva Khatri

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## EDUCATION

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**Northeastern University**, Boston, Massachusetts

Master of Science - Computer Science

August 2024

Major courses: OOPS, Data Structures & Algorithms, Database Management, Distributed Systems

**Vellore Institute of Technology**, Vellore, India

June 2020

B.Tech - Computer Science & Engineering

## TECHNICAL SKILLS

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**Languages & Databases** C/C++ · C# · Java · JavaScript · TypeScript · Python · Scala · MySQL · MongoDB

**Technologies** MapReduce · .NET · RESTful APIs · Git · Linux · React · Django · Android Studio

**DevOps & CI/CD** Docker · Jenkins · JFrog · Elasticsearch · Logstash · Kibana · AWS (ECS, S3, Bedrock)

## WORK EXPERIENCE

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**Bayer**, Software Developer Intern

June 2023 – November 2023

- Streamlined continuous integration by designing and implementing a unified build pipeline tool used by 10+ engineers for C#, C++ applications using python.
- Developed C++ system service for trusted platform module (TPM) 2.0 chip integration, bolstering security in diverse infusion systems.

**ICICI Lombard**, Software Developer

January 2020 - August 2022

- Revamped technology infrastructure of 20+ microservices to **AWS**, increasing availability by 12.5% & cutting deployment time from 3 hours to 20 minutes
- Led & mentored a cross-functional scrum team of 10 support engineers** in building & designing Kibana dashboards to free up software engineering team's bandwidth to focus on feature development & bug fixes.
- Architected a centralized logging using ELK stack to enable real-time monitoring and analysis of application and infrastructure logs, handling a daily intake of **5-6 GB of data**.
- Built dashboards to monitor production issues, enabling quicker identification and resolution of bugs.

**YellowAnt**, Software Developer Intern

May 2018 - June 2018

- Created and integrated RESTful APIs for Office 365, SurveyMonkey, and Grafana in the YellowAnt marketplace to centralize communication and notifications, enhancing workflow efficiency.
- Spearheaded technical workshops & authored [articles](#) with a broad readership of **60 thousand views**.

## OPEN-SOURCE CONTRIBUTIONS

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[jupyterlab/jupyter-ai](#)

- Enhanced** the Generative AI chat assistant to export conversations to a markdown/text file. Issue number: [#460](#)

[Bloomberg/memray](#)

- Published code coverage reports for C++ and Python for each CI, accessible from the PR. Issue number: [#354](#)
- Added support** for memray to report its own version. Issue number: [#417](#)

[Pypa/readme\\_renderer](#)

- Migrated** package metadata to PEP 621 pyproject.toml. Issue number: [#284](#)

## PROJECTS

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**Stocks Trading Application** – Java, Java Swing, JUnit

- Designed in MVC architecture adhering to key object-oriented principles and design patterns, such as Command, Façade, and Builder

**Learning Management System** – React.js, Redux, Node.js, TypeScript, MongoDB

- Implemented a full-stack website to streamline course management, enhance the learning experience, and provide comprehensive tools for both faculty and students.
- Deployed the application to Heroku, Netlify and open-sourced to GitHub.

**ServerLess LLM Application** – Python, Amazon Bedrock, AWS Lambda

- Leveraged Amazon Bedrock to create an event driven pipeline to use LLM to process audio recordings of customer interactions.