# Apurva Khatri

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## EDUCATION

**Northeastern University,** Boston, Massachusetts
Master of Science - Computer Science                                                                 Expected 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

**Languages & Databases** C · C++ · C# · Java · JavaScript · Python · Scala · MySQL · PostgreSQL · MongoDB
**Technologies**           MapReduce · Spark · RESTFul APIs · Git · Linux · React · Django · Android Studio
**DevOps**                 Docker · Jenkins · JFrog Artifactory · Elasticsearch · Logstash · Kibana · AWS ECS

## WORK EXPERIENCE

**Bayer**, Co-op Software Engineer                                                        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 centralized logging using ELK stack, elevating application performance & infrastructure monitoring to process real-time logs supporting daily intake of **5-6 GB of data.**
- Built dashboards to automate log management & production bug fixing, increasing application uptime.

**YellowAnt**, Software Engineering Intern                                                   May 2018 - June 2018
- Integrated **RESTFul APIs** of Office 365, SurveyMonkey & Grafana for YellowAnt chatbot. Further, deployed the application to Heroku & open-sourced to GitHub.
- Spearheaded technical workshops & authored articles with a broad readership of **60 thousand views.**

## OPEN-SOURCE CONTRIBUTIONS

**jupyterlab/jupyter-ai**
- **Enhanced** the Generative AI chat assistant to export conversations to a markdown/text file. Issue number: #460

**Bloomberg/memray**
- **Published** C++ & Python code coverage report for each CI enabling it to be reached from the PR. Increase Code coverage by **+6.48%.** Issue numbers: #351 #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

**Stocks Trading Application**
- Built a stock trading **Java MVC** application using **object-oriented programming**
- Performed **unit testing** of components & isolated testing of controller.

**Gated Community Application**
- Charted backend model of gated community application; Data retrieval and handling, Conceptual and Logical design, Complex **SQL** functions and procedures.