

# ARJUN RAJA YOGIDAS

Boston, MA • (209)-871-8368 • [yogidas.a@northeastern.edu](mailto:yogidas.a@northeastern.edu) • [linkedin.com/in/arjun-yogidas](https://www.linkedin.com/in/arjun-yogidas)

## Education

**Master of Science, Information Systems** 2023

*Northeastern University, Boston, MA*

Application Engineering and Design, Program Structures and Algorithms, Networks and Cloud Computing

**Bachelor of Engineering, Information Science** 2019

*Visvesvaraya Technological University, Karnataka, India*

Operating Systems, DBMS, Design and Analysis of Algorithms, Machine learning

## Technical Skills

Programming: Java, TypeScript, Node.js, Go

Frameworks and Libraries: NestJs, React, Angular, HTML5, CSS3, Bootstrap

Databases and Methodologies: MSSQL, Mongo DB, Agile, Data structures, Algorithms, API Design, Micro Services

CI/CD and Other tools: Git, GitHub Actions, AWS EC2

## Professional Experience

**SDE Intern (serverless containers)** | [Amazon Web Services, Seattle, USA](#) May 2023 – Aug 2023

- Improved the credential helper of the soci-snapshotter benchmark engine, ensuring compatibility with all container registries and enabling users to measure performance of their container images hosted on non ECR registries.
- Enhanced CLIs with command flags for customization and integrated the benchmarker into GitHub Actions for automated execution on individual code merge.
- Developed a new git workflow to the project to identify performance regression on every pull request and visualize historic performance metrics on the projects' [GitHub-Pages](#)
- Collaborated with the team to continuously enhance the benchmarking process, ensuring accurate and reliable performance metrics, while effectively communicating technical concepts to team members and stakeholders for a seamless workflow and successful project outcomes.

**Software Engineer** | [Cybrilla Technologies, Bangalore, India](#) Jul 2019 –Dec 2021

- Optimized ledger maintenance queries with indexing and sharding techniques, reducing search query time by 10% and increasing customer satisfaction by 30%.
- Engineered e-KYC feature for browser-based video recording and uploading, lowering onboarding failure rate from 50% to 10% by leveraging Amazon S3 storage.
- Implemented paperless refund initiation using AWS SQS, achieving a 100% improvement in refund turnaround time for unsuccessful applications.

## Certification and Open-Source contributions

**Smart contracts – State University of New York at Buffalo:** Completed Coursera course with overall grade of 92% 2022

Regularly contribute to the open-source project [aws/soci-snapshotter](#) and related repositories

## Academic Projects

**Quizly (Java, Mongo DB, JavaFx)** 2023

- Implemented abstract factory pattern and Object-oriented design paradigms in Java.
- Integrated third party applications for notification (Twilio), location and browser window services (Jxbrowser)

**MENACE: Machine Educable Noughts and Crosses Engine (Python, ReactJs, Flask)** 2022

- Used Q-learning, a model free reinforcement algorithm to choose the most optimal next move based on the current state of the board
- Optimized the alpha (learning rate), beta (discount rate), gamma (exploratory move), omega (greedy move) while training the algorithm to generate a hash set of valid moves for each board state. Accuracy of the moves was 95%
- Built a UI for computer vs human matches and a REST endpoint for competing against other MENACE machines

**Tracdo (ReactNative, AWS Amplify)** 2022

- A cross platform mobile application built using ReactNative framework, enables users to track and maintain their job applications, set reminders for follow ups and scheduled calls
- Deployed on the cloud using AWS Amplify ecosystem, uses react hooks for state management.