

# **Yashwanth Yarlagadda**

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🌐 <https://github.com/yashwanthyarlagadda>

## **EDUCATION**

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**Masters in Computer Science**, Northern Illinois University ↗  
CGPA : 3.39/4

Jan 2021 – Aug 2022

**Bachelors in Computer Science and Engineering**, Institute of Aeronautical Engineering ↗  
CGPA : 6.62/10

Aug 2016 – May 2020

## **WORK EXPERIENCE**

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**Software Development Engineer**, Amazon

Aug 2022 – present  
Seattle, USA

**Amazon Scout**:

- Worked on Teleops & Delivery Experience team to design, develop and deploy features for managing robots, primarily in Java and TypeScript.

**Catalog System Services**:

- Worked on the Catalog Experimentation Platform team to provide experimentation on Amazon catalog by making data driven decisions to improve catalog quality primarily in Java.
- Expanded the experimentation support to include more number of attributes for the completeness of Catalog and added integration tests for the pipeline.
- Streamlined team operations by documenting processes, research findings, and creating a comprehensive design document to support experimentation with complex attributes.
- Integrated Weblab API's into our service to eliminate manual customer intervention by automating the process of weblab creation, weblab dial up and weblab dial down.
- Created a report generation service that generates metrics for an A/B experiment that is launched such as OPS, units sold, and glance views. Service consists Managed apache airflow for orchestration, EMR cluster for analysis, SQS queue as entry point, S3 file as the report and SNS notification as the end point.
- Integrated the report generation service into experimentation platform using AWS Lambdas, SQS queues, SNS and S3.
- Leveraged cloud-based technologies including API Gateway, DynamoDB, RDS, IAM, Simple Notification Service, AppConfigs, CloudFormation, ECS, Lambda, S3, CloudWatch to optimize platform performance and scalability.

**Graduate Assistant**, Northern Illinois University

Aug 2021 – Jul 2022  
Dekalb, USA

**IT Tech support associate** :

- Provided classroom assistance to more than 500 students;
- Managing, testing and evaluating NIU's technologies;
- Identifying hardware and software solutions;
- Troubleshooting technical issues;
- Image computers, laptops and maintain database records.
- Teach students about the technology available at NIU.

## **SKILLS**

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**Programming Languages** — Java, Python, TypeScript, R | **Database** — SQL | **Tools** — IntelliJ, Visual Studio, Eclipse, Jupyter

Notebook, Android Studio | **Cloud Technologies** — Stepfunctions, AWS IAM, API Gateway, DynamoDB, RDS, Simple Notification Service, AppConfigs, CloudFormation, CloudWatch, CDK, ECS Fargate, Lambda, S3.

## **PROJECTS**

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**Web scraping & Sentiment analysis**

May 2022 – Jul 2022

Worked on code to scrape information from several websites to create datasets using Python.  
Grouped all datasets, and performed data cleaning and sentiment analysis to analyze the stats and performance of a company using R programming language.

**An Efficient Approach to Implement 2048 Game Using Artificial Intelligence**

Aug 2019 – Dec 2019

Implemented 2048 game for a more brilliant and smoother approach than the current framework by improving the heuristic capacities and actualizing search trees.

Tech Stack: Java, Object-oriented programming, Eclipse.

**Usage of RFID tags in Medical field**

Jan 2019 – Mar 2019

Developed an integrated system which gives the real time location of the card whenever it is detected by using DHT sensors and RFID tags.

Tech Stack: Internet of Things

## **PUBLICATIONS**

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**An Efficient Approach to Implement 2048 Game Using Artificial Intelligence**,

Sep 2020

Tejaswini Mandava , Varsha Kakumanu , Yashwanth Yarlagadda , P. L. Srinivasa Murthy ↗

Implemented 2048 game for a more brilliant and smoother approach than the current framework by improving the heuristic capacities and actualizing search trees.