

HET DHARMENDRABHAI THAKKAR

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[Email](#) | [LinkedIn](#) | [Github](#) | [Portfolio](#)

EDUCATION

University of North Carolina at Charlotte | MS, Computer Science

Jan 2021-May 2022

Concentration: Data Science

Gujarat Technological University | BE, Information Technology

Aug 2016-Aug 2020

Courses: Data Structures and Algorithms, Database Management Systems, Java and Advanced Java, AI

TECHNICAL SKILLS

Languages:	Java, Python, TypeScript, C++
Database:	SQL, BigQuery, PostgreSQL, Hadoop, Spark, Hive
AWS Technologies:	S3, EC2, Athena, Glue, Cradle, Hoot, Apollo
Web Technologies:	HTML, CSS, REST, JSON
Data Science:	Keras, Tensorflow, NumPy, Pandas, Selenium, Tableau, PowerBI

WORK EXPERIENCE

Amazon.com LLC | Bellevue, Washington, USA

July 2022-March 2023

Software Development Engineer

- Worked with Optimal Inventory Health- Fulfilled by Amazon team as an SDE, with a focus on developing and maintaining software applications and services.
- Troubleshoot and debug code issues, and recommend and implement solutions.
- Worked on making code changes to the business logic workflow for vending overstock control recommendations to sellers.
- Manage and optimize issues related to distributed production processes as a part of OnCall rotation on the cloud(AWS services: EC2, S3, Kinesis, Hoot, Cradle, DJS, Athena; Others: Pipelines, DJS Jobs)
- Create and maintain technical implementation documentation, including impact analysis and design specifications.

University of North Carolina at Charlotte | Charlotte, USA

July 2021-May 2022

Graduate Teaching Assistant

- Teaching assistant, responsible for Grading, Supervision, holding Office hours for doubt solving. For the courses “Intro to AI” and “AI for Computer Games”.

Sarvoday Physiotherapy College | Gujarat, India

Jan 2020-March 2020

Junior Analyst

- Dataset cleaning, transformations, and forecasting
- Visualized audit reports, generated and presented dashboards using Tableau and PowerBI

MAJOR PROJECTS

Forums App | University of North Carolina at Charlotte

Aug 2021- Dec 2021

- An Android application that allows users to create and view threads in forum style format.
- Implements features such as Search, Filter, User Authentication, Push notifications and functionalities to edit and delete the thread and abilities like liking, unliking and commenting on a thread.
- Source code is written in Java and uses libraries like Glide for Images and FireBase for handling authentication and storing user data.

CNN, RNN and CRNN comparative analysis | University of North Carolina at Charlotte

Aug 2021- Dec 2021

- Clean, transform and reduce datasets(MR, SST-1, SST-2, CR datasets) for sentence classification. Involving stop word removal, tokenization and lemmatization.
- Data analysis and bootstrapping. Build CNN from scratch and implement RNN & CRNN, for a comparative accuracy analysis- including loss and accuracy analysis, computational analysis.

Music Discovery Android App | University of North Carolina at Charlotte

Feb 2021- May 2021

- An Android application written in Java and following the MVP Pattern for architecture, that allows users to discover and listen to music.
- Implements search features(by artist, album), functionality to add favorite songs to playlists, and interacts with the Deezer API to fetch data. Which is then displayed through Recycler and Card views in the app.