

# Grahitha Eda

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## WORK EXPERIENCE

### Systems Engineer

Aug. 2022 – Dec. 2023

*Hyderabad, India*

*Tata Consultancy Services (TCS)*

- Worked on a **GCP cloud migration design initiative** for **C&S Wholesale Grocers**, collecting, consolidating, and validating **100+ application inventory records** from multiple sources in collaboration with client stakeholders to support migration readiness.
- Analyzed and documented **network dependencies, firewall rules, and port configurations**, supporting secure connectivity planning and system integration during cloud migration.
- As part of the **Apple Database Support Team**, handled **30+ production support tickets**, monitored queues, routed issues to appropriate teams, and supported **operational monitoring** to maintain system availability.
- Performed **database maintenance and troubleshooting** across multiple production systems, supporting **stable operations and minimizing service disruption** in live environments.

### Software Engineer Intern

Mar. 2022 – May. 2022

*Hyderabad, India*

*Cognizant Technology Solutions*

- Gained hands-on experience with **Java, SQL, Hadoop, and Spark** by supporting and modifying **multiple data processing workflows** in a distributed environment.
- Assisted in running and validating **distributed batch jobs** processing **large-scale datasets**, gaining exposure to **enterprise data pipelines and system integration**.
- Participated in an **Agile development cycle**, contributing to feature discussions, testing, and validation of data workflows.

### .NET Full-Stack Intern

Sep. 2021 – Feb. 2022

*Hyderabad, India*

*Technovert*

- Contributed to the development of an enterprise-level banking web application using C# and .NET frameworks.
- Designed responsive front-end interfaces and integrated backend services to deliver end-to-end functionality.
- Worked with relational databases to support data persistence, validation, and secure transaction workflows.

## PROJECTS

### Preventive Health Education (PHE) Platform — Capstone Project

Sep. 2025 – Dec. 2025

*Be The Cause — Backend & Database Developer*

- Developed an **industry-sponsored platform** with **enterprise-style workflows** supporting structured learning modules, assessments, and user progress tracking.
- Designed and implemented the **backend architecture** using **Laravel and MariaDB**, building **API-based endpoints** for authentication, content delivery, quiz workflows, and **role-based access control**.
- Designed **normalized MariaDB schemas** for **10+ core entities** and implemented core business logic including **pre-quiz/post-quiz evaluation**, gamification (stars, badges, habit streaks), and personalized insights.
- Ensured backend reliability through **unit, functional, and page-level testing**, and collaborated in an **Agile team** to maintain API contracts and technical documentation.

### Sentiment Analysis of Amazon Product Reviews

*NLP, Deep Learning*

- Developed a **DNN-based sentiment analysis system** to classify Amazon product reviews into **five sentiment categories**, addressing noisy text, variable review lengths, and class imbalance.
- Applied **deep learning techniques** including BERT for contextual understanding, Autoencoders for feature extraction, and GAN-based methods for handling class imbalance, and evaluated performance using standard NLP metrics.

## EDUCATION

### New Jersey Institute of Technology GPA: 3.8/4.0

Jan. 2024 – Dec. 2025

*Master of Science in Computer Science*

*New Jersey, USA*

- Relevant Coursework:** Data Structures & Algorithms, Advanced Database Systems, Big Data Analytics, Machine Learning, Operating Systems, Artificial Intelligence, Internet and Higher Layer Protocols

## TECHNICAL SKILLS

**Programming Languages:** Python, PHP, Java, SQL, **C# (basic)**, C++, R, JavaScript

**Backend & Web Development:** Laravel, Django, REST APIs, MVC Architecture, System Integration

**Databases:** MariaDB, MySQL, Oracle SQL, PL/SQL, Relational Database Design, Schema Normalization

**Data Handling & Analysis:** Data Preprocessing, Exploratory Data Analysis (EDA), Text Processing for NLP

**Tools & Platforms:** Git, JIRA, Linux, VS Code, PhpStorm

**Testing & Practices:** Unit Testing, Functional Testing, API Testing, Agile/Scrum