

## Arwin Kumar Ravi

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## EDUCATION

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### The University of Texas at Dallas

May 2025

M.S., Business Analytics

GPA 3.443

Dean's Excellence Scholarship

**Relevant coursework:** Database Foundations, Advanced Statistics for Data Science, Data Visualization, Data Warehousing, Predictive Analytics, Prescriptive Analytics, Business Analytics with R.

### Anna University

June 2021

B.E, Electronics and Communication Engineering

GPA 3.33

## SKILLS

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**Language:** Python, R, Java

**Database:** MySQL, MongoDB, PostgreSQL, Microsoft SQL Server

**Frameworks:** Spring Boot, Hibernate, JUnit, Mockito, Rabbit MQ

**Data Visualization Tools:** Tableau, Power BI, Google Data Studio, Seaborn, Plotly

**Tools:** Microsoft Excel, GitHub, Jira, Microsoft PowerPoint, Looker, Apache Spark, Hadoop, Microsoft Visio

**Machine Learning Techniques:** Supervised and Unsupervised Machine Learning

**Libraries:** Matplotlib, Pandas, Keras, NumPy, Scikit-learn (Python), TensorFlow, PyTorch

**Certifications:** Microsoft Certified Power BI Data Analyst Associate, Microsoft Azure Fundamentals, Alteryx Machine Learning Fundamentals

## BUSINESS EXPERIENCE

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### Programmer Analyst: Cognizant Technology Solutions

(July 2022 - June 2023)

- led the migration process for the RCI web app, migrating the backend from Node.js to Spring Boot to resolve performance and maintainability issues, thereby increasing scalability, user experience, and the efficiency of operations
- Resourced overall development and migration procedure working on designed and implemented optimized RESTful API
- Working with other teams for seamless transition integrated robust solutions to enhance system functionality
- Performance improved by 30%, while code maintainability improved by 25% and scalability by 30%, with downtime decreasing by 25%, response time cut by 40%, and user satisfaction improved

### Programmer Analyst Trainee: Cognizant Technology Solutions

(October 2021 - July 2022)

- Worked on issues related to microservices architecture, which affects the speed of project delivery and post-release defects.
- Collaborated with cross-functional teams for improvement in architecture, a development process with a complete test suite, and codebase changes management.
- Designed robust microservices architecture and implemented unit, integration, and end-to-end tests while streamlining development processes with Git.
- Better testing and enhanced efficiency of the codebase management by 20%, increased project delivery by 15%, and reduced post-release defects by 20% through optimized microservices architecture.

## ACADEMIC PROJECT

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### Lung Cancer Detection Using Deep Learning Approach

Research Assistant, Anna University, Chennai

March 2021

- Orchestrated a system using TensorFlow and Keras, achieving a remarkable 95% accuracy in cancer detection predictions, empowering medical professionals with precise validation capabilities.

### Social Media Sentiment Analysis using Python

April 2022

- Led Python Project for social media sentiment analysis, utilizing NLP to extract insights from extensive data. Analyzed public sentiment on specific topics or brands for strategic decision-making