

EDWIN JOSHUA JOHN

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Education

University of Texas at Arlington

Master's in Computer Science, GPA: 3.50 / 4

Aug 2023 – May 2025

Arlington, TX

New Horizon College of Engineering

Bachelor of Technology in Information Science and Engineering, GPA: 8.33 / 10

Aug 2017 – Jun 2021

Bangalore, India

Skills

Programming Languages: Python (Pandas, NumPy), C++, JavaScript, SQL, HTML, CSS

Cloud Platforms: AWS (EC2, S3, RDS, Lambda, CloudFormation, IAM, VPC, CloudWatch), Docker, Terraform

Tools and Technologies: Git, CI/CD Pipelines (Jenkins, GitHub Actions), Kubernetes, MySQL, MongoDB, Linux

Others: Data Structures Algorithms, REST APIs, Agile Development, Networking Basics

Experience

Software Engineer Trainee

Apr 2021 – Nov 2021

Infogain

Bangalore, India

- Worked on Java-based backend development using Spring Boot for internal and client-facing applications.
- Contributed to Agile sprint deliverables, participating in feature implementation and bug fixes.
- Collaborated with QA teams to support test automation and improve code quality.

Engineering Intern

Feb 2021 – Apr 2021

Ritnox Solutions Private Limited

Bangalore, India

- * Built and deployed 3 responsive websites using HTML, CSS, JS, achieving 100% on-time delivery.
- * Designed and validated 50+ test cases, improving system reliability by 25%.

Projects

Sentiment Analysis of Movies and TV Shows

Dec 2024

UTA

Arlington, TX

- * Achieved 75.53% accuracy using LSTM, BiLSTM, and CNN-BiLSTM models.
- * Implemented TF-IDF, stemming, and tokenization to clean and vectorize text data.

Smart Restaurant Finder

Apr 2024

UTA

Arlington, TX

- * Built map-based web app using JS, Yelp API, and Google Maps API to fetch and rank restaurants.
- * Optimized API calls, reducing latency by 20%.

Fern Chat App

Aug 2024

UTA

Arlington, TX

- * Developed real-time React chat app with Firebase authentication and media sharing.
- * Modular codebase enhanced scalability for future features.

Video Steganography

Apr 2024

UTA

Arlington, TX

- * Encrypted medical data using ECDSA for secure video-based embedding.
- * Optimized processing time by 20%, ensuring fast encryption/decryption.

Certifications

Ultimate AWS Certified Cloud Practitioner CLF-C02 – 2025

The Complete Cyber Security Course: Hackers Exposed!

The Joy of Computing Using Python – NPTEL, April 2020

Data Science for Engineers – NPTEL, September 2019