

EDWIN SHIBU JOSEPH

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Motivated and enthusiastic Computer Science graduate seeking a Graduate Teaching Assistant position to contribute to the academic success of students while gaining valuable teaching experience and further developing my knowledge in the field.

Education

Master of Science - Computer Science

Arizona State University

August 2023 - May 2025

Tempe, Arizona

Bachelor of Computer Science and Engineering

National Institute of Technology, Calicut

GPA 7.14/10 | July 2017 - June 2021

Kerala, India

Skills

Programming Languages: Python, Java, C, C++, HTML, CSS, Javascript

Frameworks/Libraries: Pandas, NumPY, Keras, TensorFlow, SciKit Learn, Django, Flask

Databases: MySQL, MongoDB

Tools/Technologies: PowerBI, Tableau, Jira

Languages: English, Hindi, French, Arabic, Malayalam

Experience

Larsen and Toubro Infotech

Senior Data Engineer

Bengaluru, November 2021 - Present

- Provided the data analysis on IT service tickets in order to create a response to a Request for Proposal thereby enabling the team to put forth a compelling response to secure the potential client.
- Created responsive dashboards using PowerBI to visualize the quarterly financial data which enabled the team to analyze how a change in each of the particulars would subsequently affect the profit and revenue of the client account.
- Provided data analysis on IT service tickets for each financial quarter on areas such as Ticket Volume, Key Issues, Avg Response Time etc. These insights were used to identify key areas of improvement, areas of potential automation and were presented to the client, Abbott healthcare during Quarterly Business Reviews.

Larsen and Toubro Infotech

Graduate Engineer Trainee

Bengaluru, July 2021 – October 2021

- Training period during which hands-on experience with several technologies was gained.
- Worked on several data science POC's with senior mentors.

Biztime IT Solutions Pvt. Ltd.

Software Engineering Intern

Kozhikode, June 2020 – July 2020

- Worked with the development team responsible for implementing an HR web application for employee management using MongoDB, Angular and Node JS.

Projects

Classification of Protein-Ligand Complexes using Machine Learning

- Implemented a novel ensemble ML model which predicts the protein-ligand binding affinity and classifies Protein-Ligand complexes using the predicted binding affinity.

DBMS and Web Development Project

- Created a website using HTML, CSS and PHP for managing an Old Age Home.
- The backend was implemented using a MySQL database which contained the data regarding the staff, volunteers and the old age home residents.

Keystroke Logger

- Implemented a keystroke logger that alerts the user when a certain keystroke is typed out on the keyboard.
- The logger was implemented using a kernel module which allows for adding code to and from the LINUX kernel at runtime thereby enabling the kernel to communicate to the hardware.

Multiplayer Rock-Paper-Scissors Game

- Implemented an online multiplayer rock-paper-scissors game on python using multithreaded socket programming and pygame.

Certifications

IBM Data Science Specialization (Coursera)

CREDENTIAL ID: VR2HQ2J62AZ4

Machine Learning by Andrew NG (Coursera)

CREDENTIAL ID: U44V2X674JM8

Deep Learning Specialization (deeplearning.ai, Coursera)

CREDENTIAL ID: F5WTYRHQAR3V

References

Dr. Gopakumar G | Associate Professor, Dept. of Computer Science - NIT Calicut

gopakumarg@nitc.ac.in

Dr. Pranesh Das | Assistant Professor, Dept. of Computer Science - NIT Calicut

praneshdas@nitc.ac.in

Mr. Manish Uskaikar | Senior Manager Projects - LTIMindtree

Manish.Uskaikar@lntinfotech.com