

# Eldridge Venantius Fernandes

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## HIGHLIGHTS

- Proficient in Java, Spring Boot, Python, Django, PHP, SQL, Machine Learning and Advance Excel
  - 2.9 years of Professional Experience with 2 internships, and 3 published papers
  - Independent contributor with entrepreneurship skills with a self-started project with 3 other colleagues – ‘Personal Support Plus’ that won 2 venture competitions startup VentureU from Epicenter and BridgeAlliance
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## TECHNICAL SKILLS

- **Back-end Skills:** PL/SQL, Oracle SQL
  - **Front-end Skills:** HTML, CSS, Bootstrap,
  - **Programming Languages:** Python, Django, PHP, Java, C, C++, Machine Learning, and Advance Excel
  - **Operating Systems:** Windows, Linux
  - **Certifications:** Machine Learning (Datacamp), Java Certification (Lakshya Institute), Python, Converged Communications (MTNL), SQL, PHP, Artificial Intelligence, and IoT
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## EDUCATION

### Master's in Electrical and Computer Engineering

09/2022 – 12/2023

University of Windsor, Windsor, ON, Canada

- Relevant – Project on Pose Estimation using Yolov8 algorithm and Smart Parking using Arduino.

### Bachelor's in Electronic and Telecommunication Engineering

08/2015 – 10/2019

Xavier Institute of Engineering, Mahim, Mumbai, India

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## PROFESSIONAL EXPERIENCE

### Software Development Engineer

01/2022 – 06/2022

Celledge Technologies | Churchgate, Mumbai, India

- Designed features needed in Django framework using Python with HTML, CSS, and Bootstrap front-end with Oracle Backend; the features was accommodated in the dashboard post approval and was deployed on the server to aid in the seamless download of data across regions as compared to the previous dashboard that required multiple options selections and the design of the report was also not that good
- Programmed Triggers, procedures and deployed packages using PL/SQL in software development; failure in the programming triggers, procedures or apt health checks would result in the server down in all the regions
- Built efficient as well as dynamic SQL queries and automated report generation; the automated reports using Linux and crontab scheduling efficiently downloaded the required daily reports to the respective clients
- Developed JasperSoft reports to on the server; the Jaspersoft forms were another medium that aided the design of the front-end forms that could be used to add features in the dashboard that was not possible or approved in the Django framework
- Deployed forms required in Oracle and pro\*c programs; the forms created consolidated data for individual requirements that was later deployed in the server that could be accessed using either the Django framework or Jaspersoft

### Business Operations

06/2019 – 08/2021

Media.Net | Andheri (W), Mumbai, India

- Built and automated reports using SQL queries and Advance Excel to analyze data in case of any anomalies
- Analyzed client's existing technology of ad deployment and implemented alternate ways to improve performance by decreasing server-side timeouts and reducing bulk code deployment

- Provided necessary technical assistance on escalated issues like blocking certain URLs using SQL; creating divs for additional ad display on the client website; creating necessary changes in the front-end code for the same followed by health checks on the same.
- Created compelling proposals for solutions, implemented them, and conducted post-deployment health checks
- Initiated contact with potential features and coordinated efforts with other teams like graphic design for mock designs; cloud and database management developers team for viability of the solution; security team for ensuring protocols are in place

### **Software Engineering Intern**

06/2018 – 07/2018

Larson and Turbo Infotech (LTI) | Airoli, Mumbai, India

- Designed and developed an employee management web application for RBI (Reserve Bank of India) using Bootstrap, HTML, Css, and Angular5 using Visual Basic
- Developed and documented a Spring MVC web-based Framework using Eclipse

### **Software Engineering Intern**

12/2017 – 01/2018

Lakshya / Andheri, Mumbai, India

- Designed and developed an MCQ dashboard to help teachers in knowledge evaluations of the students

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### **ADDITIONAL POINTERS**

- Papers Published:
  - i. Sentimental Analysis on Text using Neural Network – JETIR publication [ISSN – 2349-5162]
  - ii. Review of Neural Networks for Sentimental Analysis – Pramana research journal [ISSN – 2249-2976]
  - iii. Voice Controlled Home Automation – IJSER [ISSN – 2229-5518]
- Projects Completed:
  - i. Pose Detection using Machine Learning
  - ii. Smart Parking System using Matlab and Arduino
  - iii. Sentiment analysis of movie reviews using multiple neural network architectures
  - iv. Fake currency detection using computer vision
  - v. Home Automation using voice recognition and schedule adaption
- Workshop: Participated in Python MVC Framework workshop and 3D Printing workshop
- Appointed as Engineering Mentor for three terms in escalating issues, solving doubts, and connecting them with the most relevant personnel
- Volunteer Experience:
  - i. Community Church: Volunteered in serving meals and cleaning
  - ii. Career Services at the University of Windsor: Volunteered in managing students and employers
  - iii. Sevasadhan NGO: Collected supplies for donations, and taught orphan kids.
- Other Experience:
  - i. Online E-commerce Store Associate and Store Standards at Walmart Dougal Avenue, Canda (09/2022 – Present): Received rising star for delivering the highest customer satisfaction and managing high-pressure situations.
  - ii. Grader at Mastronardi, Kingsville (02/2023– 06/2023): Ensuring quality standards are maintained
- Interpersonal Skills: Can work independently as well as a team player with strong communication skills, possess strong aptitude with problem solving skills.

*References available for each experience mentioned above*