

EDWIN LINGSON

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Master of Science in Computer Science

Expected December 2022

Relevant Coursework: Design and Analysis of Algorithms, Operating System, Introduction to Data Mining, Computer

Architecture and Organization, Programming Languages, Design Patterns

Cumulative GPA: 3.77/4.00

Jyothi Engineering College (University of Calicut), Kerala, India

Bachelor of Technology in Computer Science and Engineering

Aug 2014 – May 2018

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Computer Graphics, Web

Programming, Embedded Systems, Computer Organization and Design

Cumulative GPA: 3.02/4.00

SKILLS/ CERTIFICATIONS

Programming Languages: C, C++, Java, Python, PHP, Kafka, JavaScript, Angular

Tools: MATLAB, Tableau, Microsoft Office, LaTeX, SQL, SQLite, Splunk, Spring, Hibernate, AWS Cloud

Domains: Machine Learning, Artificial Intelligence, Full Stack Development, Natural Language Processing, Agile SDLC

Certifications: Ultimate AWS Certified Developer Associate 2022 (Udemy pursuing), Build Your First Android App

CentraleSupélec (Coursera), Learn PHP and MySQL Development from Scratch (Eduonix)

PROFESSIONAL EXPERIENCE

Global Healthcare Impact Project , CS Intern | Binghamton, USA

Jan 2022 - Present

- Maintained a website developed on python, using flask RESTful API Endpoints with SQLite as database
- The website is a useful tool for pharmaceutical companies and Healthcare workers to know where the care is needed most
- Different values in the site helps healthcare workers to decide the best medicine for a disease

IBS Software, Senior Software Engineer | Kochi, India

Sep 2018 - Aug 2021

- VRBO Affiliates: Maintain applications of dedicated Vacation Rental inventory of Expedia Group
 - Developed java applications utilized to update the vacation rental availability on Elasticsearch database.
 - Streamlined the sale of VRBO products on affiliated partner platforms like Expedia, kayak, increasing the outreach of Vacation Rentals.
- Engineered a turnkey application that enabled a smooth and safe transfer of user data from Expedia to affiliated partners.
- Developed COVID-19 Advisory Tool that extracts data from Google Newsfeed by using NLP. This tool enabled Expedia to identify low risk locations around the world to facilitate targeted marketing.
- Responsible for Engineering Full Stack Applications using spring boot and MySQL, implemented with Java
- Revitalized Test Automation Suite created with ScalaTest Framework to test whether our client sites are free of errors
- Used Agile methodology, to create and communicate tasks and responsibilities of each team member, also mentored new team members through the procedures.

THARANG WEBSITE, JYOTHI ENGINEERING COLLEGE | Thrissur, India

Dec 2016 – Mar 2017

- Designed and maintained College Techfest "Tharang -17" website, communicating with different event coordinators
- Collect information from each department and project well on the website
- Brainstormed with the team for designing the website and determining the best tools and technologies to be used.

ACADEMIC PROJECTS

Main Project: Ideal Face Recognition System | Thrissur, India

Jun 2017 – May 2018

- Application of Machine Learning Techniques to identify optimal angle for identity recognition.
 - Model was implemented using Neural Networks and trained using Backpropagation.
 - Dataset created by extracting images, frame by frame from individual videos using ffmpeg scripted using shell script
 - Led the team delegating tasks, scripted shell for data manipulation and implemented the project with inputs from team

Mini Project: Fizzog Discovery | Thrissur, India

Jan 2017 – May 2017

- Applied Face Detection and Recognition Technologies, notifying users, whenever their photos are posted in the Network
 - Used Viola-Jones Algorithm for Face Detection and Eigen Face Vectors for Face Recognition.
 - Developed Social Network with features to upload photos, send and approve notifications and view feeds
 - Led the team tutoring algorithm, designed Database and implemented Business logic for Social Network

ACHIEVEMENTS AND AWARDS

- Third Place in International Expedia Partner Solutions Hackathon (2019).
- First Prize in Inter College G.K & I.T Quiz Competition 'Inquizitive' (2017)
- Third Prize in Violin competition in college. (2017)