

Aswin Timalcina

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EDUCATION

University of Louisiana Monroe (ULM) – Monroe, LA

Bachelor of Science, Computer Science (Honors) with Minor in Mathematics
Cumulative GPA: 3.62

Degree Expected: December 2021

EXPERIENCE

ULM College of Business and Social Sciences – Monroe, LA

Software Developer

Aug 2020 – Dec 2020

- Designed and developed an analytical tool using **Python** and data analytics libraries **NumPy**, **pandas** and **Matplotlib** to analyse wireless scanning logs outputted from Kismet wireless packet capture utility.
- Involved in the effort of configuring Kismet to generate the data that include security and geolocation in the form of JSON, XML and KML form.

University of Louisiana Monroe – Monroe, LA

Helpdesk IT Technician, ULM Computing Center

Jan 2019 – Aug 2020

- Supported university computing center by resolving an average of 4 tickets, involving server issues, tracking down network issues, campus system issues with quick turnaround time.
- Collaborated with Tier 2 and Tier 3 IT professionals to solve any software and hardware issues around campus.
- Trained helpdesk employees with the basics of server, printer, active directory, and access control.
- Added **300+ campus devices** in **Active Directory** by running python scripts.

Nepalese Student Association – Monroe, LA

Webmaster

Aug 2018 – Aug 2019

- Developed and deployed new official website using **HTML/CSS**, **JavaScript**, **jQuery**, **Django**, **MySQL**.
- Led group of 4 web developers and involved in various Requirements and Design of the project and active involvement in many aspects of the **SDLC** adopting **Agile Software Development Methodology**
- Researched and analysed Google Trends keywords for **SEO** purpose to optimize search engine ranking and increased the site traffic by 16%.
- Designed **official logo**, **UI/UX** of the website and digital designs for **10+ events** using **Adobe Illustrator** and **Photoshop**.

ULM Student Success Center – Monroe, LA

Programmer

Oct 2017 – Aug 2018

- Developed **multi-threaded** script using python to search and list PDF links from 1000+ results from ULM Library Database which saved hours of manual work.
- Collaborated and arranged meeting with professor once a week.

SIDE PROJECTS

Ticketing Productivity

<https://ticketing-d7350.web.app/>

- Built a responsive web application from scratch using **React**, **Redux**, **HTML/CSS** and **Firebase** that allows users to track multiple tasks using ticketing system.
- Allows users to create private tasks, and post update in it.

To-Do List

<http://todobyaswin.herokuapp.com/>

- Built a to-do list web application that allows users to add tasks, update them, mark as "Done" or "Failed" and view the list of respective categories.
- Utilized **EJS**, **HTML/CSS**, **Bootstrap** and **MERN (MongoDB, ExpressJS, ReactJS, NodeJS)** development stack.

SKILLS

Languages: Java, Python, JavaScript

Web: Nodejs (ES6), PHP, HTML5, CSS

Front-end: React, Redux, Angular, D3.js, JQuery, Bootstrap, Materialize

Back-end: Hibernate, Spring, Express, Docker, MongoDB, MySQL, AWS EC2

Miscellaneous: Git, REST API, Linux, JSON, XML, Postman, Selenium, MVC

Mobile Development: Kotlin, Android Studio

INVOLVEMENT

- Associate Senator, ULM Student Government Association

Jul 2019 – Jan 2020

- Member, Campus Activities Board, ULM

Aug 2019 – Dec 2019

- Member, Association of Computing Machinery, ULM

September 2017 – Present