

Darshan Shivaram

darshangwd8@gmail.com | +1 (256)-417-3817 | [linkedin.com/in/darshanshivram](https://www.linkedin.com/in/darshanshivram)

Software Engineer with customer facing product experience, with ability to leverage fullstack knowledge and engineering principles to design and develop scalable applications. quick learner and seeks feedback to improve solutions. Actively looking for Full stack development/Web Application development opportunities starting to work from Jan - 2023 full-time.

TECHNICAL SKILLS

- **Programming Languages and Tools:** C/C++, Python, java, SQL, javascript.
- **Operating System and Tools:** Windows, Linux, Jupyter, Visual Studio/vs code, Eclipse, Hadoop, git/Github, Bitbucket.
- **Certification:** AWS certified Solutions Architect (Associate level).
- **Design Methodologies:** – Big Data Methodologies, MYSQL, Apache, Spring/spring boot and hibernate, TailwindCSS, firebase, Postman, Serlets, JSP, JPA, React(Beginner/ learning).

EXPERIENCE

MEC Concepts India PVT. Ltd. :

June 2020 - Nov 2020

Worked as an intern in Full Stack development mastering HTML5, CSS3, JAVASCRIPT, PHP WITH MYSQL with real-time examples, and also learned briefly about spring boot with REST APIs.

PROJECTS

Food ordering App.

Sept 2022 - present

- React.js front-end framework to develop an application which is interactive with MySQL database and also trying to host on cloud platform.

Online Shopping database management system

Jan 2022 – Mar 2022

- A backend program that keeps online orders up to date with seller information, products, addresses, and pricing. Information is organized to provide information to users at various levels. Created a MySQL database to create tables, then connected using PHP locally and ran it on a Web page created with HTML5, CSS, and javascript, completing all CRUD operations from the Web page.

Text Editor in Java

Jan 2019- May 2019

- A simple text editor that works similarly to Microsoft Notepad but with simplified Java code. Using an old Java tool called a java applet, I was able to achieve all of the functionality found in Microsoft's current notepad application.

Robotic Automated Food Service Provider In Hotel With Android based -

Jan 2020 – Sept 2020

- Individual Menu System

- A prototype of an Embedded C robot that works on the command of an Android device that provides information to serve food at a specific table. I worked with a team of four people to complete this project with the help of a college mentor. I learned how to create an Android real-time application that sends messages to the root, generates bills, and sends text messages to customers.

US Traffic Accidents Analysis

Nov 2021 - Dec 2021

- Exploratory data analysis on Accidents in the US from 2016-2020, in 49 states, with severity levels and visualization on the data with hands on big-data tools. I wrote a report predicting that if no action is taken, the severity of these accidents will increase exponentially in the coming years. To predict the result while keeping the same population, I used a regression model with 88% of accuracy.

Time series analysis(ML):

Nov 2021 - Dec 2021

- Specific way of analyzing a sequence of data points collected over an interval of time. Preprocessing, Visualization, modeling, testing and Accuracy detection etc. Preprocessing the raw data was difficult, as was feature extraction and working with various Machine Learning techniques. Due to the size of the data and the methods used (Decision tree, Random forest, etc.), the analysis took hours to complete with a 97% accuracy.

EDUCATION

Visvesvaraya Technological University (VTU), Public university in Belgaum, India

Aug 2016 – Sept 2020

Bachelor of Engineering (Hons.) in Computer Science and Engineering

GPA: 7.8/10

The University of Alabama in Huntsville

Jan 2021 – present

Master of Science in Computer Science

GPA: 3.66/4.00

Coursework: Advanced Operating System, Database systems, Web Applications Development, Cloud Computing,

Computer Security, Computer Network, Big Data, Machine Learning, Digital Image Processing.

ACADEMIC EXPERIENCE

Graduate Teaching Assistant in UAH:

Jan 2021 – present

Working 20 hours per week, I assisted the professor with grading, tutoring, invigilation, and office hours. I gained experience and knowledge by engaging with the following courses: Introduction to C/C++ (OOP), Introduction to Embedded computer systems, Computer and Software Security, Design/Analysis of Algorithms, Digital Computer Architecture, Hardware Lab (ARM programming).