**VAISHNAVI AMBATI**

**Email:** [**ambativaishnavi20@gmail.com**](mailto:ambativaishnavi20@gmail.com) **Phone: +91-8106308042**

## **CAREER OBJECTIVE:**

To pursue a challenging and creative career on a good platform, where I can apply my existing knowledge and creativity and acquire new skills.

## **ACADEMIC QUALIFICATION:**

Apr 2019 – June 2020 **National Institute of Technology**

Post-Graduation Diploma in Machine Learning and Artificial Intelligence

CGPA – 4/4 (Top Performer)

Sep 2014 – May 2018 **Sreenidhi Institute of Science and Technology**

B. Tech Electronics and Communication Engineering

Aggregate - 73%

June 2012 – Mar 2014 **Sri Chaitanya Junior College**

Aggregate - 93%

## **WORK EXPERIENCE:**

**System Engineer Trainee – Infosys Limited [Aug 2018 – Dec 2018]**

* Trained in Python, SQL, C#, Angular, and Frontend Technologies (HTML, CSS, Bootstrap, and JavaScript).
* Built **frontend** layer of a website for Groceries Shop using **HTML, CSS, Bootstrap, and JavaScript.**
* Built a **complete website** for Courier Services using **HTML, CSS, Bootstrap, JavaScript, C#, Angular, and Microsoft SQL Server.**

**System Engineer – Infosys Limited [Jan 2019 – Apr 2020]**

* Automated web-pages of the client for billing orders by performing **web scraping using C# and MS SQL Server**. Also joined various tables and dynamic SQL programming in database for monitoring **daily transactions** using SQL Server Management Studio (SSMS) which helped in reducing the number of errors that occurred during the automation process.
* In addition to this, I also performed **Archival** in SQL using SSMS to perform a smooth and **faster retrieval** of collected data.

**Virtual Data Analytics Intern – Australia and New Zealand Banking Group [Jul 2020 – Aug 2020]**

* **Exploratory Data Analysis**
* Segmented the dataset and drew unique **insights**, including visualization of the transaction volume and assessing the effect of any **outliers**, and checked for any **data issues**.
* **Predictive Analytics**
* Explored **correlations** between customer salary and other attributes.
* Build a **regression** and a **decision-tree** prediction model based on my findings

**Software Development Intern – InnoPrime Technologies [Dec 2020 – Present]**

* Created a web application for an e-commerce company using Angular and MongoDB.
* Also use Tableau for creating dashboards which helped to present various trends in Sales.

## **PROJECTS:**

* **Sudoku Solver with Deep Learning**

**Objectiv**e: OpenCV for detecting numbers from the uploaded image and Deep Learning solving Sudoku Puzzle.

**Skills Used:** Python, Deep Learning, OpenCV, OCR, Streamlit.

**GitHub:** <https://github.com/Vaishnavi-ambati/Sudoku-Solver-with-Deep-Learning>

* **Predicting Cab bookings**

Objective: Used supervised models to predict the total cab bookings in an hour. Also used Ensemble learning for better predictions.

**Skills Used:** Supervised Learning, Regression, and Ensemble Models, Pandas, Matplotlib.

**GitHub:** <https://github.com/Vaishnavi-ambati/Cab-bookings-project>

* **Restaurant Rating Prediction**

**Objective:** A web application used to predict the rating of a restaurant using various other features.

**Skills Used:** Supervised Learning and Ensemble Models, Pandas, Matplotlib.

**GitHub:** <https://github.com/Vaishnavi-ambati/Restaurant-Rating-Prediction>

* **Line Follower**

**Objective:** A Line follower is a robot designed to follow a line or a path already predetermined by the user. This line or path may be as simple as a physical white line on the floor or as complex path marking schemes.

**Skills Used:** C programming

* **Development of an FPGA based motor controller for an Actuator used in Aircraft** [Major Project]

**Objective:** This project involves development of an FPGA based hardware controller for driving an electro-mechanical actuator in aerospace applications.

**Skills Used:** C programming

## **INTERNSHIPS:**

**Research Centre Imarat, DRDO, Hyderabad**

Worked as a summer intern from June 2017 to July 2017, at the recognized Government organization RCI, Hyderabad. I have worked on a project “Design of a Closed Loop Controller for Solenoid Valve”. This provided me with hands-on industrial experience in learning and working with different electronic devices that helped me to get a very good practical knowledge of the theoretical concepts.

## **SKILLS:**

**Programming Languages:** Python, C#, Java, JavaScript

**Frameworks:** Angular, ASP.NET MVC

**Database:** MySQL, SSMS

**Web Technologies:** HTML, CSS, Bootstrap

**Working Environments:** Microsoft Windows

**Scripting:** VB Script

**Tools:** Eclipse IDE, Jupyter Notebook, Tableau, Excel, Visual Studio, IntelliJ Idea

**Others:** Machine Learning, Natural Language Processing, Data Preprocessing, Computer Vision

## **EXTRA-CURRICULAR AND CAMPUS LEADERSHIP ACTIVITIES:**

* Served as head of “Anti – Ragging Committee”, during the academic year 2017-2018
* Worked as the “Content Developer” for an NGO “EVidyaloka”
* Worked as the “Center Admin” for an NGO “EVidyaloka”