Devyani Barde

HTTPS://WWW.LINKEDIN.COM/IN/DEVYANIBARDE | CHARLOTTE, NC
HTTPS://DEVYANIBARDE.GITHUB.IO/ | DEVYANIBARDE@GMAIL.COM
HTTPS://GITHUB.COM/DEVYANIBARDE | (980)-287-9957

EDUCATION

- University of North Carolina at Charlotte — January 2021 – December 2022
  Master of Science in Computer Science
- Sant Gadge Baba Amravati University — August 2015 - October 2019
  Bachelor of Engineering (Computer Science and Engineering)

TECHNICAL SKILLS

Languages:	C, C++, Java, Python, SQL
Web Technologies:	HTML5, CSS3, Javascript, JSP, AJAX, JQuery, React.js, JDBC
Frameworks and Libraries:	Pandas, Numpy, Keras, Tensorflow, OpenCV, Matplotlib, scikit-learn, Django
Tools and IDE:	Eclipse, Netbeans, VS Code, Github, MySql Workbench, Android Studio, Anaconda, Jupyter Notebook, Google Colab, Google Cloud Platform

WORK EXPERIENCE

WEB DEVELOPER — January 2020 - December 2020

Drishti Software Solutions, Kolhapur, Maharashtra, India

- Improved website performance by implementing **Asynchronous Network calls**.
- Implemented complete Software Development Life Cycle (**SDLC**) including Design, Coding, Development and Testing. Used **CI/CD** for faster and reliable deployment.
- Worked on all the latest technologies like **HTML5**, **CSS3** along with **JQuery** and built User Interface with **React.js** and **JavaScript** based on approved designs. Experienced in Agile and Scrum methodologies

TEACHING ASSISTANT — August 2021 - December 2021

The University of North Carolina at Charlotte, Charlotte, NC

- As a teaching assistant, I tutored students on **front-end web development** topics.
- Performed all assistant teaching duties including critical help, grading papers and assignments.

PROJECTS

EMOTION RECOGNITION(PYTHON | GOOGLE COLAB | KERAS)

- Designed and implemented a computer vision based machine learning model for facial emotion recognition using **python** and **keras**.
- Handled data imbalance and hence avoided overfitting using class weights. Created charts in **Jupyter** Notebook to visualize and analyze the data using **Matplotlib**.
- Fine tuned the multi-layered Convolutional Neural Network to improve accuracy from 27% to 65%.

PLANT PATHOLOGY(PYTHON | JUPYTER | TENSORFLOW)

- Implemented **Convolutional Neural Networks** with MaxPooling layers and ReLU function.
- Applied the SoftMax activation function for last layer as it normalizes output real values to class probabilities which turned out to be the proper choice for multi-class classification.

IDENTIFICATION OF MERITORIOUS STUDENTS (JAVA EE | HTML | CSS | AJAX | MYSQL)

- Created a web portal which hosted several users like teachers, principals and admin.
- Utilized **Java EE** for backend development, **AJAX** to increase the response time for requests and **mySQL** to store the data in the database.