Devyani Barde

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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, Angular, Vue.js
Frameworks and Libraries:	React.js, Redux, Context API, Spring Boot, Django
Tools and IDE:	Eclipse, Netbeans, Visual Studio Code, GitHub, MySQL Workbench, Android Studio, Anaconda, Jupyter Notebook, Google Colab, Google Cloud Platform

WORK EXPERIENCE

SOFTWARE DEVELOPER INTERN — June 2023 - Present
Dataeconomy Inc, Charlotte, NC

- Developed user-friendly interfaces using **React.js** and **TypeScript**, ensuring responsive design and cross-browser compatibility.
- Created reusable React components, effectively managing state with **Redux** and Context API.
- Collaborated on backend development using **Java**, focusing on **RESTful API** design, database integration, and server-side programming.
- Utilized Git for version control, including branching, merging, and conflict resolution.
- Familiarity with popular Java frameworks such as **Spring Boot** for rapid application development.
- Contributed to code reviews, following best practices to enhance code quality and maintainability.

WEB DEVELOPER — January 2020 - December 2020
Drishti Software Solutions, Kolhapur, Maharashtra, India

- Improved website performance by implementing **Asynchronous Network calls, , enhancing user experience.**
- Led end-to-end Software Development Life Cycle (SDLC), incorporating Design, Coding, Development, and Testing. Implemented **CI/CD** for efficient deployment.
- Designed User Interfaces using HTML5, CSS3, React.js, **Angular**, and **JavaScript** based on approved designs.
- Practiced **Agile** and Scrum methodologies for efficient project management.

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**.
- Addressed data imbalance and prevented overfitting by utilizing class weights.
- Optimized a multi-layered Convolutional Neural Network, improving 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 comprehensive web portal catering to teachers, principals, and admin users.
- Employed **Java EE** for backend development, AJAX to expedite response times, and **MySQL** to manage data storage.