ANUSHA S J

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Summary — Highly motivated software engineer and recent graduate with a solid foundation in full-stack development, experienced in Java, Python, and React.js, along with mobile app development using Flutter and Android. Familiar with both front-end and back-end technologies, data visualization, and applying machine learning concepts. Eager to learn, contribute, and grow within a dynamic, forward-thinking team.

Skills

Programming: Java ,Python ,JavaScript ,HTML/CSS,Node.js,React.js, C#,C ,Flutter, PHP ,Cloud Computing
Databases: SQL ,MySQL **Visualization Tools:** Power BI **Other Skills:** Advanced Excel

Projects

Herbal Hair Care (Python, Flask, MySQL, HTML, CSS, CNN (VGG16, VGG19, ResNet50, EfficientNet)) *Jan 2024 – June 2024*
Developed a machine learning application to predict hair loss and scalp diseases, offering natural remedy suggestions. Built a user-friendly web app using Flask, with a seamless front-end created using HTML, CSS, and JavaScript. Integrated data visualizations for tracking hair loss stages and implemented CNN models for accurate predictions. Managed data securely using a MySQL database and improved model performance with ImageDataGenerator for better generalization.Link: herba-hair-test.onrender.com   Published a research paper titled *Herbal Hair Care* in the International Journal For Multidisciplinary Research (IJFMR), Paper ID: 20833, Volume 6, Issue 3, May-June 2024, on 2024-05-20. Link: Herbal Hair Care - IJFMR

Breast Cancer Detection (TensorFlow, Keras, Python, OpenCV, HTML, CSS, Flask) *Apr 2022 – Sep 2022*
Developed a machine learning model to classify breast cancer images as benign, malignant, or normal using a CNN. Built and trained the model with TensorFlow and Keras, achieving high accuracy. Image data was processed and augmented using OpenCV and TensorFlow's ImageDataGenerator. Monitored training and validation metrics, reaching over 99% confidence in predictions. Integrated the model into a web application for easy image upload and result display, and validated the model on test images to ensure robustness.

Student Placement Prediction (Flask, Python, NumPy, Pickle,HTML,CSS,Flask,scirit-learn)
Developed a Flask web application that predicts student placement outcomes. Loaded a trained model using pickle and created a home route for the user interface. Implemented a prediction route to extract input data from a form, make predictions using the model, and display the result on the homepage, indicating whether the student is "Placed" or "Not Placed." Link: Student Placement Prediction (marks-calculate-o532.onrender.com)

Smart Student Attendance System (Android, SQLite, Java) *Jan 2022 – Feb 2022*
Created an Android app to track student attendance and generate reports, providing a more efficient system. The app allows faculty to securely log in, view courses and student lists, and mark attendance in real-time. It also syncs data with an online server to keep records up to date.

Food Product Explorer (ReactJS, CSS, OpenFoodFacts API, JSON)
Created an Android app to track student attendance and generate reports, providing a more efficient system. The app allows faculty to securely log in, view courses and student lists, and mark attendance in real-time. It also syncs data with an online server to keep records up to date.
Link: React App (anusha1421.github.io)

Internship/Training/Certifications

CodSoft | **Java Programming Intern** | **October 12, 2023 – January 10, 2024** Link: anusha1421/CodeSoft (github.com)
Internship Studio | Artificial Intelligence Intern | May 1, 2024 – June 5, 2024 Link: anusha1421/internshipstudio (github.com)
Octnet Services pvt ltd | Java Developer Intern |Aug 1,2024 – Oct 1, 2024 Link: **https://github.com/anusha1421/OctaNet.git**
TechCiti Software Consulting Private Limited / **Software Developer Intern** | **January 10, 2024 – April 10, 2024**

At TechCiti Software Consulting Private Limited, completed an internship where strategies for efficient bug triage were developed using Java. Conducted testing to improve software performance, and collaborated with the team to streamline workflows. This experience enhanced skills in Java, problem-solving, and understanding industry practices.

Certifications

- **AWS Cloud Practitioner Essentials ,**AWS, May 2024
- **SQL Certification Course (Basic to Advanced) ,**Geekster, May 2024
- **Cybersecurity Course ,** Tech Mahindra Foundation through Skill India, March 2024
- **Excel Skills Job Simulation ,** JPMorgan Chase & Co., March 2024
- Pursuing a professional certification in Full Stack Development in Java on Udemy (ongoing).

* **Python 101 for Data Science,** IBM Cognitive Class, May 2024
* **Power BI for Beginners,** Simplilearn, April 2024
* **ReactJS for Beginners ,** Simplilearn, April 2024
* **Intro to machine learning,** Kaggle, March 2024
* **Java ,** HackerRank,Jan2024

Education

PES UNIVERSITY   **Bangalore, Karnataka**
MCA in Computer Applications   Graduate - July 2024
CGPA: 7.8

JSS COLLEGE FOR WOMEN   **Mysore, Karnataka**
BCA in Computer Applications   Graduate – Sept 2022
CGPA: 8.4