DIVYANSH SAHU

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➢ Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2018-22	BE Computer Engineering	Institute of Engineering and Technology, DAVV, Indore	*8.2*

Work Experience

Software Development Engineer-I at NowPurchase Pvt Ltd **April 2022 – Present**

- Used understanding of **React fundamentals & Redux** to promote better component lifecycle practices, increasing turnaround time.
- Using **JSX** ,**CSS** and **Material UI** libraries to build the UI of the **Metal Cloud Software**.
- Developed a **Javascript** based script use in **Spectrometer data monitoring system** it get triggers when the directory get modified.
- Successfully designed and implemented the **centralized Database** of the IoT Middleware for **analysis & Report generation**.

BTSA-intern at ZS Associates Pvt Ltd **January 2022 – April 2022**

- Worked on **Verso Orchestration Engine** ML based platform which provide targeted marketing recommendation for Users.
- Use Frontend Technologies like HTML ,CSS ,JavaScript & **React** to create the UI of **Verso Orchestration Engine.**
- Worked with EX-US BMS team, helping them to develop tangible **ETL Pipelines** & **python** based **Assets** for data feeding & processing.
- Working on **AWS S3** bucket for data loading & **Hive, Putty & SQL** for testing.

Software Development Engineer-I Intern at Persistent System **June 2021 – August 2021**

- Identified web based user interaction & developed highly-responsive user interface component via React components.
- Translated designs & wireframes into high-quality code and wrote application interface code via JavaScript
- Liaised with cross-functional teams to ensure that client project were completed on time & with a stipulated budget.

Intern at SERB-DST, Govt of India, research project **January 2021 – March 2021**

- Detect cellular level activity using laser **speckle Imaging** technique and fetch data from REST APIs .
- Design different imaging pre-processing technique & code for extraction of **cellular level activity** using **Fujii's** & **GD** methods and created mask for highlighting the region of interest.
- Create **Deep learning models** for accurate prediction and the result was shown in the frontend using **React**.

Achievements

- **4** ★ coder in **Leetcode** & Solved **~800 problems** in Leetcode, Handle**:** user8325z
- **4** ★ competitive programmer in **Codechef Rating : 1920,** Handle**: codechef.**
- **6** ★ competitive programmer in **HackerRank** in Problem Solving Handle: Hackerank.
- Solve more than **1000**+ problems on different platform.
- Global rank **695** in Leetcode **Biweekly contest 51**.
- Global rank **106** in Codechef **July Lunchtime 2021 challenge**.
- Global rank **382** in **Codechef Starter 13 Division 2**.

Research Work

Fungal Infection Detection in Seeds using Laser Speckle Analysis & CNN **April 2021 – December 2021**

- Study about the bio-speckle imaging technique & analysis of fungal infection in Seeds.
- A **Convolution Neural Network** model of 11-layer structure is established and trained to classify curable and no-curable infected seeds.
- The method based on laser bio-speckle imaging analysis and **CNN** theory provides an idea and theoretical basis for efficient & non-destructive detection of health of Seeds & their quality using **Bio-Speckle Activity map**.
- Create **Machine Learning** & **Deep learning models** for data analysis and accurate prediction.

Projects

Beacon based Local Positioning System (LPS) || (FUNDED FROM **ACIIE**) **May 2020 – January 2021**

- **Beacons** are small, wireless transmitters that use low-energy **Bluetooth technology** to send signals to other smart devices nearby.
- Analyzes the signal strength from a beacon device (**RSSI**) to determining the distance and location of the beacon (conf. with RasberryPi).
- The web app was made using **React** & This Technology uses Bluetooth Signal for approximating the location.

Industrial Realtime Quality Control System || (ACKNOWLEDGE BY **MSME**) **January 2020 – April 2020**

- Engineered a real-time quality control system for **fault detection** in casted products (for Industrial use).
- Use a deep learning neural network-based image processing System and classifying the product in OK or Defected categories.
- This system use **script** for iterative timer based feeding of data in the model &the frontend was developed in **HTML, CSS, JavaScript**

Skills

Computer languages - **Java**

Technical Skills - **Java,mySQL database ,Hive, Putty , GitHub, JavaScript,React.js ,Redux ,HTML, CSS.**

Subjects - **Operating System, Computer Networks, DBMS, Problem Solving Skills.**

Additional Courses Taken - **MSME's Management Development Program**(MDP). learned about how to create an International Image,dealing with Government, different protocol used in Export Management.

Part **of YES+ program** learn about benefits of yoga and motivation to move forward in life.

Positions of Responsibility & Extra Curriculars

- **Team Leader of MIME** team IET DAVV ,we try to portrait different social issues and discrimination with our acts .
- **Member of Entrepreneurship Cell** of IET DAVV-Event Management at "THE FRESMAN ORIENTATION" The very first event of E-cell invited one of the most influential young entrepreneur's of India of **Mr. Raj Shamani**.
- Volunteer **YES+ Workshop** To help individuals get rid of stress and experience inner peace, The Art of Living initiative.
- **Technical head** college E-Cell & successfully organize many coding as well as entrepreneurship session.