ASAWARI NISTANE| FEMALE- 23
(+91)-9529443483 | asawarinistane2000@gmail.com

EDUCATION

Degree	Institute	Year	CGPA
Computer Science & Engineering	G. H Raisoni University , Nagpur	2023	8.04/10
AISSCE	A . S Polytechnic , Wardha	2014	93.4%
AISSE	B. P Yerlekar Vidylaya	2012	9.4/10

WORK EXPERIENCE

JIO | Software Development Engineer In Test| Mumbai   August 2023- Present

- JioKrishi App - Jio Agri Management System (JAMS **Mobile Automation** Testing)
- Worked on **Cucumber** - **Appium** testing framework for **Mobile automation** of JioKrishi App and ensured Bug free AppProduction
- Prepared multiple Runners file each having different features which was used for **Parallel execution** of testcases using **Selnium Grid**
- Developed test plan and logic from test cases provided by Manual testing team and prepared more than 100 scenarios in feature files
- Prepared all scenarios and steps using **Gherkin** language in feature file and automated each steps using **Java** in step definition files Jio Krishi Knowledge Mgmt. System(JKKMS **Web Automation** Testing)
- Developed a **Cucumber** - **Selenium** framework for web automation of all modules of JKKMS and added 350 scenarios in 15 feature files
- Added support for **Parallel execution** of test cases using **Selenium Grid** and **Multithreading** which reduced overall execution time by 60%
- Prepared **TestNg – Selenium** framework using JAVA for JKKMS and added 450 test cases all grouped with tag of **Sanity/Regression API Testing** – JAMS backend
- Developed a **Cucumber(BDD)** – **RestAssured framework** in Java to automate all the modules of JioKrishi App using POJO class concept
- Automated functional testing of more than 100 api's using **Postman**, covering all corner cases and generated summary reports
- Developed python scripts to collect daily irrigation data from multiple fields provided by SuPplant api's and automated it using **Crontab**
- Added **Jenkins job** and pipeline for **continuous integration** and real time testing of all test cases developed by our testing team
- Prepared a report of all customers available in **MySQL database** containing more than 20 relational tables using python **conn-cursor**

INTERNSHIPS

Sensor Data Fusion And Microclimate Forecast | TCS Innovation Labs | Mumbai   [May'21- June'22]

- Created homogeneity boolean matrix from **Fisher Least Significant Difference** test for pairwise comparison at a significance level of 0.05
- Implemented Inverse Distance Weighting and Cubic Spline to deal with the problem of missing sensor data on each parameter of soil
- Utilized **Autoregressive and Moving Average** to forecast weather for homogeneous fields with **RMSE** value of 3.5 and 1.8 respectively

Rockworth Service Digitalisation | Flycraft Innovations | Bangalore   [May'20 -July'21]

- Created Pix4D models (Orthomosiac, DTM, DSM and Contour maps) for railway track using data generated by Drone Survey
- Overviewed manufacturing operation at the stone crushing industry and did sieve analysis of product at each step of daily production
- Worked in conjunction with the after-sales service management team to analyze the service failure and action of the plant in Power BI

PROJECTS

Master's Thesis Project | App Development for Soil Classification| Prof. Somsubhra Chakraborty   [July'20-June22]

- Developed an android app to separate soil types based on image derived indices in controlled and field conditions using And. Studio
- Collected **480** images of Alluvial and laterite type soil in Normal, Sunlight and Controlled condition for building robust and accurate model
- Built a classification model using **Logistic Regression** and **Principle Component Analysis** on the data collected using different smartphones

Bachelor Thesis Project | Regionalization of Temperature Characteristics | Prof. Ashok Mishra   [July'22- Nov'23]

- Used Unsupervised learning to determine homogeneous regions of temperature and rainfall characteristics using 40 years of daily data
- Used **KMeans** clustering and **Self Organising Maps** to find 5 homogeneous regions (clusters) with root mean square error value of 8.3

Analysis of Extreme Temperature | IIT Kharagpur | Advisor: - Prof. Ashok Mishra   [May'20 -July'21]

- Used Generalized Extreme Value Distribution in **Block Maxima Approach** to fit block maxima values and estimated distribution parameter
- Estimated shape, location and scale parameter using **MLE**, hence **Return Period** of 100 year was found for temperature exceeding 45.36°C
- Applied Generalized Pareto Distribution in **Peak Threshold Model** to examine the return period of maximum temperature in Kharagpur

POSITIONS OF RESPONSIBILITY

Captain, Volleyball | Rajendra Prasad Hall of Residence | Raisoni University   **[July'22 Aug'22]**

- Awarded the **Best player** by Gymkhana, Raisoni for the all round splendid performance shown during interhall tournament

Operations head, Prakriti | Agricultural Engineering Society || Raisoni University   **[April'21 April' 22]**

- Solely responsible for managing the accommodation of 400+ participants and oversaw all logistics in Agri &Food Innovation Fest

COURSEWORK INFORMATION

Introduction to Java | Selenium with Java Framework | Design and Analysis of Algorithms | Probability and Statistics |

SKILLS- Programming Languages: JAVA, SQL, Python, C++ | **Software:** Intellij, Postman, Power BI, Git, Selenium, Rest Assured

EXTRA CURRICULAR ACTIVITIES

- Sports : **Caption** of **Bronze** winning Volleyball team of Rajendra Prasad Hall in the Sports and Games General Championship   - 2021-22
           : Represented Raisoni at 4 consecutive edition of **Inter Raisoni Sports Meet** and secured **Silver** medal in Volleyball   -   2021
- Social : Contributed to overall upliftment of Purba Bhurkundi village, distribution of social amenities under NSS NIT Nagpur -   2020
- Interests: Passionate about health and fitness, disciplined life, follower of motivational music, hobbies include volleyball and cricket