

Jagan Mohan Sahu

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OBJECTIVE

Looking for a challenging role to leverage my full-stack knowledge and experience to build interactive and user-centered applications to scale for the growth of the organization as well as to enhance my knowledge about new and emerging trends in the IT sector.

PROFESSIONAL SYNOPSIS

- Enthusiastic software developer with 1+ years of experience in Drubus Technologies Pvt Ltd, Bhubaneswar.
- Having very good implementation knowledge of OOPs concepts and Collection Frameworks.
- Excellent leadership skills, creative thinking, multitasking, committed and hard working.

WORK EXPERIENCE

• DruSupport

An online facility for the users and partners of Drubus software solutions to raise issues for resolution. It provides transparent visibility for the stakeholders to see the progress of the logged cases and updates by all participants.

Responsibilities:

- Designed and developed manager dashboard and case registration components using Spring Data JPA.
- Rest call to ETOM when user registers a case.

• DruLive

A video conferencing solution for businesses. Some of its features are, multi peer video conferencing, meeting creation and sending notification via mail, media recorder, image capture, file transfer, vehicle number plate recognition. It is availed in both web and mobile platforms.

Responsibilities:

- Designing the layout for optical character recognition collaborating with the DruSight.
- Testing of both mobile and web applications.

• ETOM (Employee Time & Output Management System)

This web application helps in tracking the output and productivity of employees. Some of its features are, defining goals > projects > activities > tasks, tracking employee outputs in various formats like document, code, algorithm, image etc., generating statistics and reports.

Responsibilities:

- Migration of components from spring JDBC template to Spring Data JPA.
- Developed dynamic multi-page terms and conditions dialog for new users.
- Developed an auto-completing search box for searching various components of ETOM.
- Developed best achievers of the month based upon statistics of the employees' outputs and ratings.
- Developed ETOM master, login report, summary report and feedback components.
- Reworked on activity component which displays the activity of the employee.

• DruSight

Automated processing of printed, handwritten text from structured and unstructured documents. The subprocesses are, ROI detection, document identification, training data collection, image manipulation, data extraction, sanitization & categorization. Output data in excel format or any other target like web services, database, message queues etc.

Responsibilities:

- Migration of components from spring JDBC template to Spring Data JPA.
- Developed an algorithm to sanitize the unstructured data of the annual report.
- Developed grid extraction and grid wrapping algorithm.
- Developed some algorithms for data sanitization.
- Redesign, rework, testing and documentation of components such as data approval, process documents, user role component mapping, bulk upload, dashboard, general report, accuracy report, batch report, character training, admin transaction log.

EDUCATIONAL QUALIFICATIONS

Qualification	School/College	Board/University	Year of Passing	Percentage/CGPA
B.Tech	IIIT Bhubaneswar (EEE)	IIIT Bhubaneswar	2019	7.36 CGPA
Class XII	Roland Junior College Lanjipalli, Berhampur	CHSE Odisha	2015	72.83%
Class X	Hadu Sarab High School Badagada, Ganjam	BSE Odisha	2013	86%

ACADEMIC PROJECTS

- Lamp Handball project in Digital Electronics** (4th semester of BTech)
This project was done in the NI Multisim, got 1st position in the class and appreciation from my teacher.
- Implementation of Microcontroller based Fault Detection and Protection System for DC Motor** (7th semester of BTech)
This project was done both in hardware and Proteus simulator software, got appreciation from my teacher and encouragement to publish a journal in International Journal of Engineering and Advanced Technology (IJEAT).
Link: <https://www.ijeat.org/wp-content/uploads/papers/v8i3/C5854028319.pdf>
- Modelling of Grid Integrated PV System using Modified MPPT Technique** (8th semester of BTech)
This project was done in the MATLAB Simulink, got 2nd position in the class and published in International Conference on Intelligent Computing and Control Systems (ICCS).
Link: <https://ieeexplore.ieee.org/document/9065857>

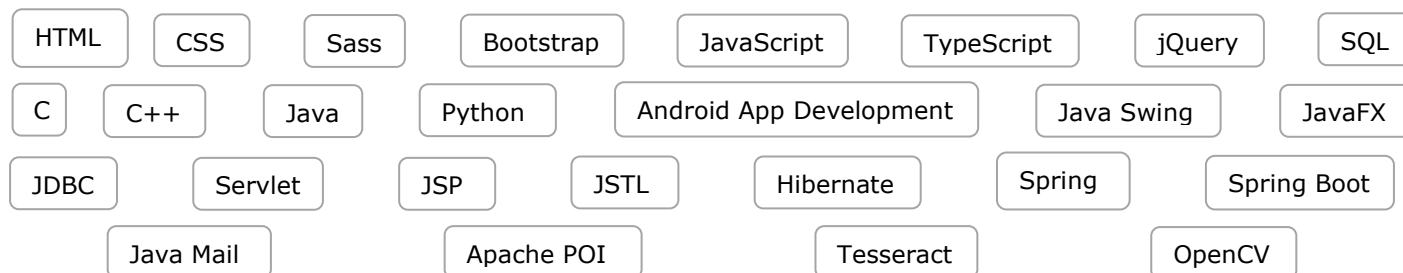
NON-ACADEMIC PROJECTS / HOBBY PROJECTS

- Image processing and Face detection using OpenCV in Java
- Voice-controlled small virtual assistant application developed using Sphinx4 (speech recognition library) and Roboto class (manipulating the user interface) in Java.
- Feature-rich Notepad application in Java.
- CD tray opening in every 5 seconds in Java.
- Weather forecast application in Java.
- Login system using Servlet/JSP, JDBC.
- Login system in Android using MySQL and SQLite3.
- My Portfolio website. Link: <https://portfolio-jagan.netlify.app/>

TRAININGS

- Data Structures in C, Programming in C++, Core Java, Advance Java, Android App Development from LIT, Bhubaneswar.
- Workshop in Embedded System from IIIT Bhubaneswar by Wishdomware Technology Pvt. Ltd.

SKILLS



INTERESTS / EXTRACURRICULAR ACTIVITIES

- Learning new technologies and to build software solutions.
- Playing Chess.
- To know about applied science in our daily life.
- Web surfing (websites like Quora, Stack Overflow, Wikipedia etc.).
- Joined Scout in my school career.
- Won certificates and prizes in extracurricular activities like general knowledge quiz, essay writing, games and for scholarships.