

ADITYA SIDHAM

JAVA | SQL | DATA SCIENCE | MACHINE LEARNING

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PROFILE SYNOPSIS

- **A highly motivated and passionate individual** with a strong interest in Software Development, Data science & Machine learning and Internet of Things . Eager to apply academic knowledge and self-learned skills to real-world problems.
- **Demonstrated ability to** analyse complex data sets and derive meaningful insights. Strong problem-solving skills and a logical mindset for tackling data-related challenges.
- **Committed to** ongoing learning and professional growth in the field of Software Development. A team player with excellent communication skills, ready to collaborate and contribute effectively to a dynamic work environment.

KEY SKILLS

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|-------------------------------------------|-------------------|--------------------------|
| ▪ Machine Learning | ▪ Web Development | ▪ Analytical Skills |
| ▪ Artificial Intelligence & Deep learning | ▪ SpringBoot | ▪ Strong Problem-Solving |
| ▪ Data Analysis | ▪ IOT | ▪ Statistical Analysis |

Technical Skill: Java, Python, HTML, CSS, JS ,SpringBoot, SQL, Power Point, Internet of Things, Arduino Raspberry PI

NOTEWORTHY HIGHLIGHTS

- Participated in CIIA organized at internal college level held CIIA Certificate of Participation in project “Smart Fire and Smoke Detection System”
- SP Robotics Certificate – Maker of the Month, November 2021 for the project “Robotic Arm”
- Certificate of Participation in A Step towards Product Development on Skill enhancement program by RAIT
- Havard Business School Online Certificate in Business Analytics , Sustainable Business Strategy2022
- Secured 10 pointer Grade in Engineering Mathematics – 3 and DBMS in Semester 3

ACADEMIC CREDENTIALS

B. Tech in Computer Engineering (Data Science) | Ramrao Adik Institute of Technology, DY Patil University | 8.9 CGPI **2024**

CLASS XII | HSC | Percentage: 69% | SS. Junior College Seawoods **2020**

CLASS X | SSE | Percentage: 83% | St. Mary's Multipurpose High School Vashi **2018**

EXPERIENCE

Tata Consultancy Services | Jan 2024 – Present

- As an intern on a CPMS project, I'm currently learning the Spring, Java EE, JSP, and Servlets technology stacks and working on hands on tools such as Tomcat, Oracle DB
- Development on Front End SpringBoot Application with Database connectivity , A Dashboard with Real time Analytics of Data
- Learned Tech stack such as Spring MVC, Spring JDBC , SpringBoot , MySQL, OracleDB.

ACES INVENSYS TECHNOLOGIES LLP (Internet of Things) | May 2023 – June 2023

- Worked as an intern to learn and work on Real time sensors data for analytics and data management skills.
- Used Python and MQTT Library to learn communication between IOT beacons and system to send signals and receive data from devices
- Learned and worked upon Data management and Networking Skills

PROJECTS HANDLED

FitForm: Form Detection for Exercising

- FitForm is a Computer Vision based Project that uses Mediapipe and OpenCV, that can track and evaluate a person's form while they engage in different workouts, it tracks their form and counts repetitions of the exercise being performed.
- Fitform can track various Exercises such as Squats,Shoulder presses, Dumbell Bicep Curls and much more and keep tracks of the repetition being performed with keeping the posture in consideration while counting.

Smart Switch using NodeMCU

- A Smart Home Appliance to control home appliances on Fingertips
- Home Automation device which can be controlled via Alexa and Google Assistant – , BLYNK,C#

Fire & smoke detection Using machine learning | Jul – Nov. 2022

- Designed a cutting-edge system to provide users with fire detection & instant alert capabilities, prioritizing safety, and rapid response.
- Leveraged Arduino and Microcontrollers GSM with Smoke sensors for identifying indicators of both smoke and fire, enhancing safety measures.

Face and Hand recognition using OPENCV-

- A smart application that recognizes user facial structure and maps out finger using MEDIAPIPE and OpenCV with combination of Arduino for output Indicators.
- Track Individual Fingers with 20 keypoint landmarks that helps to understand gestures and follow tasks such as turning on LEDS or counting.

Robotic Arm using Arduino & Servo motors

- Developed a Robotic Arm using Servo motors, Arduino Microcontroller and Programmed it using C# on Arduino IDE, that can move in 3 Dimensions.
- Received Maker of the Month for the project participation in contest of SP Robotics.

COURSES & CERTIFICATIONS

- Certificate in **Entrepreneurship essentials** by Harvard Business School | Jun. 2023 ([Certificate](#))
- Certificate of Participation in A Step towards Product Development on Skill enhancement program by RAIT
- Certification in **Sustainable Business Strategy** by Harvard Business School | Feb. 2022 ([Certificate](#))
- Certification in **Business Analytics** by Harvard Business School | Sep. 2021 ([Certificate](#))
- SP Robotics Certificate – Maker of the Month, November 2021 for the project “Robotic Arm”