

MAHAMMAD SARFARAZ AHMAD

SOFTWARE DEVELOPER AT FTD INDIA

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SUMMARY

A well-presented, good all-round performer who when given a task, can work quickly and efficiently. Proactive attitude and strong work ethic. A highly organized, career-oriented with a zeal to achieve my goal in life. I'm exceptional with people and good at conflict resolution. Skilled at communicating complex information simply and entertainingly.

SKILLS

PROGRAMMING: Java (Advanced), Python, MATLAB, Latex

FRAMEWORKS: Angular, Spring Boot

WEB DEVELOPMENT: HTML, CSS, JavaScript, Bootstrap

DBMS: MySQL

DEVOPS: Git

MISC.: Working with Embedded systems such as Arduino UNO and Raspberry Pi, Academic research, Teaching, LATEX report writing

PROJECTS

Shop Grocery

Feb. 2021 - Mar. 2021

- Main goal of this application is to provide a more convenient and enjoyable experience for our shoppers to buy from the local marts.
- Any merchant can add their grocery mart to this application, which then will be authorized by the admin to sell their products online.
- A Customer can create an account and then make an order for grocery products from their nearby grocery stores from this application.
- **Technologies Implemented:** Spring Boot, MySQL, Angular.

Raspberry Pi Based Vision System for Foreign Object Debris (FOD) Detection

Mar. 2020 - June 2020

- The main purpose of this thesis project is to design and develop a cost-effective system for detection of Foreign Object Debris (FOD), dedicated to airports.
- The performance evaluation of the system is analyzed by testing the system to detect FOD of different size for different distances.
- The web development is also implemented to notify the authorities in real-time when there is an occurrence of FOD.
- **Technologies Implemented:** Python Libraries - Imutils, PiCamera, OpenCV, Numpy and MobileNet-SSD, Raspberry Pi, Raspberry Pi Camera Module v2.

Modifying Coffee Maker into an IoT Device

Dec. 2019 - Feb. 2020

- The system will monitor the coffee maker's temperature, the coffee maker's power consumption, coffee's level and the real-time required to prepare it.
- Web-interface is also implemented, so that user can monitor coffee maker from anywhere as well giving basic control's to user in web-interface.
- **Technologies Implemented:** Components used - Arduino, Wi-Fi Module-ESP8266, Temperature Sensor-LM35, Photo Resistor, LED's, Current Sensor, Push Button. Web Interface - HTML, CSS, JS.

INTERNSHIPS

Offbeat, Web Development Internship, Work from home

Nov. 2020 - Jan. 2021

- Managed individually for developing static web pages using HTML, CSS3 and JavaScript.

Visakhapatnam International Airport, Study of Communication and Air Navigation Systems (CNS Facilities) / Internee,, Visakhapatnam

Apr. 2019 - May 2019

- Studied various communication procedures utilized by airport authorities for communicating with aircraft.
- Examined the detailed working of electrical components in control towers (radar technology) and understood the security measures as well.

EDUCATION

Andhra University College of Engineering and Blekinge Institute of Technology

July 2016 - Aug. 2020

B. Tech Electronics and Communication Engineering with Emphasis on Telecommunication 2020

CGPA: 8.10

Sri Chaitanya College

May 2014 - Apr. 2016

Senior Secondary Examination MPC 2016

Percentage: 96.1%

Dr KKR's Gowtham School

Mar. 2014

Secondary Examination 2014

Percentage: 95%

KEY COMPETENCIES & PERSONAL SKILLS

- High interest in Competitive Coding. Please visit <https://www.hackerrank.com/mdsahmad3>

- Accepting feedback & taking constructive criticism well. Ability to produce consistently accurate work even whilst under pressure. Willingness to share skills, knowledge and expertise.