

# MAHAMMAD SARFARAZ AHMAD

## CERTIFIED FULL STACK DEVELOPER - JAVA STACK

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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.

## 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

Dual Degree - Electrical Engineering Program 3+1 (3 years in AU, India and 1 year in BTH, Sweden).

Got a Merit Scholarship which is given to promising students in ECE Department.

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%

## INTERNSHIPS

### Offbeat, Web Development Internship, Work from home

Nov. 2020 - Jan. 2021

- Managed individually for developing static web pages using HTML, CSS3 and JavaScript.
- Also collaborated in a team for integrating React with Django Rest framework

### 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.

## SKILLS

**PROGRAMMING:** Python, Java (Advanced), MATLAB, LATEX

**FRAMEWORKS:** Angular, Spring Boot

**WEB DEVELOPMENT:** HTML, CSS, JavaScript, Bootstrap

**DBMS:** MySQL

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

**DEVOPS:** Git

## PROJECTS

### ShopGrocery - At Your Door Steps

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.

## KEY COMPETENCIES & PERSONAL SKILLS

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

• Going the extra mile to make a difference, having the drive to lead and succeed. Good report writing skills.