

Roopesh Gowda Nagaraj

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Proactive and focused software engineering professional who is currently pursuing a Master's in Management Information Systems and knowledgeable in multiple computer languages. Seeking an opportunity in different fields such as Data Analysis, Data Visualization, Business Analytics, Android Application Development, Data Engineering.

EMPLOYMENT HISTORY

Software Engineer I ► Zebra Technologies, Bangalore

Jul 2018 - Jul 2021

- Developed an Android Application for Indoor Positioning service based on Li-Fi technology.
- Developed an Android Application to access and verify the camera's functionality on the zebra devices.
- Developed an Android Application that supported I2C command communication with the camera sensors.
- Worked on POC of "Detection of fruit ripening using Ethylene sensor's" project.
- Automated multiple manual testing tasks through Jenkins AutomationServer.
- Worked closely with the team to identify and remove software bugs.

EDUCATION

MS, Management Information Systems ► University Of Illinois, Chicago

Aug 2021 - Pursuing

Bachelor's, Computer Science ► BMS College of Engineering, Bangalore

Aug 2014 - Jun 2018

CGPA: 8.45/10

SKILLS

Android Development | Java | MYSQL | HTML & CSS | JavaScript | Python | Microsoft Excel | Automation | Jenkins

INTERNSHIPS

► Zebra Technologies, Bangalore

Jan 2018 - Jun 2018

- Built a prototype for Indoor Positioning System based on Li-Fi Technology.
- Developed an Android Application to interface with Zebra devices camera to capture the LED light frames.

► JSW Steel Limited, Bellary

Dec 2015 - Jan 2016

Worked closely with JSW's IT department JSOFT to understand the different processes involved in steel manufacturing and how these processes are automated.

PROJECTS

Online Lab Attendance

Developed a Web Application using HTML, CSS, JavaScript, PHP, and MySQL to record and keep track of the student's attendance for labs. The application supports two authorizations, one for the lab teachers to mark the attendance and the other, for the students to view the attendance percentage.

College Canteen Management System

Developed a C++ based Application that provided billing and invoice generation support for the college canteen. The data of the food items billed is stored on a MySQL database.

Smart Energy Meter

Developed an Application to monitor the energy meter. The energy meter is interfaced with a microcontroller (Arduino Uno Board) to capture the meter readings. The units consumed are calculated by the reading and with the help of a GSM module, a text message is sent with the total units consumed data.

College Fest Info Application

Developed an Android Application for the college cultural fest. The application provided info regarding the fest, which included the details about the events, venue, and timings.

Real time emotion recognition from facial images

Developed a Java Application, which captures a person's picture through an IP camera, and with the help of Open CV libraries, only the physical expression/emotion of the person is detected.

Extra Curricular Activities

- Sports President of "zClub-Sports, Cultural & CSR Group", Zebra Technologies, 2019.
- Volunteered for Technology Reduction Program (a summer internship program for rural high school students) – organized by the Foundation for Advancement of Education and Research, 2019.
- Associated with Vidya Chetana (A part of youth for Seva), volunteered the sports event for rural high school kids.
- Publicity Coordinator of Annual Tech Symposium "Phase Shift", BMSCE, 2019.
- Event Coordinator of Annual Cultural Fest "UTSAV", BMSCE, 2019.
- Part of Organizing Committee, Science Forum, Jain PU College, 2013.