

# Deepak Gahlot

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## EDUCATION

Tula's Institute of Engineering and Management <https://tulas.edu.in/>

Uttarakhand Technical University, Dehradun, India

**Bachelor of Technology in Electronics and Communication**

Completed June,2012

High School - I.C.S.E(Indian Certificate of Secondary Education)

Higher Secondary School - I.S.C(Indian School Certificate)

School - Bala Hissar Academy

**Digital Clock based on Persistence of Vision during the final year of the Engineering.**

## ACADEMIC

### PROJECTS

- Rotating board and DC motor with power supply unit.
- The rotating board has several primary parts. It includes 1 microcontroller 'ATMEGA16', 19 LEDs, 2 capacitors, 1 infrared LED, 1 TSOP1738 sensor, 1 rheostat.
- The power supply unit is actually a slip ring as 1 electrode and a contact wire attached to motor shaft as the other electrode. It has 7805 IC for 12V and 5V regulation to motor and board respectively. There is a small piece of mirror to act as a trigger point of remote sensing.
- The motor rotates at a quasi-constant angular velocity (about 1000rpm). The MCU generates a 38kHz pulse for the IRLED which the mirror reflects once every rotation and is sensed by TSOP sensor to trigger an external interrupt which counts the number of microseconds elapsed between 2 successive triggers, thereby getting the instantaneous time period of the rotation depending on what has to be displayed, the LEDs are synchronised. An internal clock keeps the record of time in hours, minutes, and seconds format for display.

## WORK EXPERIENCE

**SAP, Bangalore, India**

**Developer (Android Developer), Oct 2020 - Current**

- Engaging in discussions around feature development and architectural approaches
- Explored new Jet-pack Compose UI Toolkit by building a Proof of concept and then using the library in building one of the feature which required a Dynamic UI.
- Finding ways to improve the existing Application code-base with implementing new design techniques like Dependency Injection
- Developed a new library for multi-select and single pick list UI component using Jet pack compose
- Provide guidance and assistance to new team members
- Partnering with the application Architect to develop a road map for Ariba Supplier app
- Build up the framework for the unit testing using junit and setup a CI/CD pipeline on Jenkins to execute the test cases on every new merge request on git

**Adobe Inc, Bangalore, India**

**Software Engineer (Android Developer), June 2015 - Sept 2020**

- Designing and implementation of Android applications from the specifications provided.
- Analyzing, evaluating and providing initial feedback and then implementing complex features using JAVA, KOTLIN.
- Implementing complex UX designs into XML based Android UI and creating complex views which require custom drawing logic.
- Designed and developed a Reporting system for internal testing team using node.js, MongoDB and REST APIs. This enabled the testing team to monitor their automation test case reports through a web portal and also stores the data for different test suite at one place.
- Took part in the Hackathon event at Adobe and developed a Chatbot using native Android UI elements and integrated Google Dialog flow as NLP engine, used Google Firebase real-time database as back-end for storing the chat history.

- Collaborated in release engineering tasks, working on creation of production builds and release pipelines. Maintaining of Jenkins build servers & different GIT branches during development cycles.
- Collaborating with Product management for pre-release and gathering early user-feedback before going live.

#### **Adobe Systems Inc, Bangalore, India**

**Technical Consultant, June 2014 - May 2015**

- Responsibility for fixing issues of different levels of priority, including the ones which are critical in nature and may be a cause for revenue loss.
- Responsibility for creating and implementing plans for the clients based on their requirements and making sure that the solution meets all their requirements and is successfully implemented in the Client's environment.
- Experience in testing Web based Applications and automating the test cases using Selenium, JAVA, TestNG, Junit.

#### **Dell International Services, Gurgaon, India**

**Client Technical Associate, November 2013 - April 2014**

- Prime responsibilities were to assist the customer with their issues with the Dell hardware including laptops and desktops.
- Taking care of issues with any software that was supplied or purchased via the Dell Store.
- Following up with the back-end teams to ensure that the customer's issues with any hardware replacement requests were completed as per the Service Level Agreement (SLA) defined by Dell.

#### **HCL(Hindustan Computer Limited), Noida, India**

**Technical Support Officer, November 2012 - October 2013**

- Prime responsibilities were to help the customers with the network issues for Telephony and Optical broadband with British Telecom (BT).
- Helping the user with the fixed landline issues and also with the IPTV provided by British Telecom.
- Running diagnostic tools on the copper line and reporting any issues to the back-end team and making sure that the fault is rectified at earliest.

#### **PROFESSIONAL CERTIFICATIONS**

- ISTQB Certified Tester - Foundation Level (CTFL)
- Adobe Certified Expert in Photoshop
- Adobe Certified Expert in Illustrator
- Adobe Certified Expert in Lightroom

#### **TECHNICAL SKILLS**

- Git
- Sourcetree
- Express.js
- MongoDB
- Jenkins
- JAVA
- SQLITE
- Android Framework
- Flutter + Dart

#### **LANGUAGES**

Fluent English and Hindi

#### **HOBBIES**

Table Tennis, Reading, Photography, Playing first person shooter games.