BIPIN KUMAR
SOFTWARE ENGINEER

Motivated developer with a keen eye for detail and a passion for creating efficient, scalable solution. Dedicated to staying updated with the latest trends and technologies. I strive to deliver high-quality code and robust applications that fulfill client requirement and a drive originations success.

My Contact

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📍 Bangalore India

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Education Background

B.E.
Vemana Instute of Technology
06/2018 - 08/2022

ECE   CGPA: 8.5

Pre University
St. Francis PU college
06/2016 - 03/2018

PCME   87.00%

Projects

- **Akira Clone(Stability Automation | DTV)**
  An application to automate operations on Android TV, including TV operation & seamless switching of ATSC pcap streams. Implemented functionality to captures logs & video simultaneously, automatic bug report generation if issue is observed.
  threading | time | OpenCV | threading | datetime | subprocess | xml | pywinauto |os

- **Test script generation with python.**
  An application to generate test case script from TV logs for TV automation | Jupyter notebook
  Pandas

- **Deep learning based recognition of crop disease by image classification | 2022**
  A crop disease detection system to classify different plant disease | Python
  Jetson nano | ResNet-18 | OpenCV | NumPy | DSP

- **Portfolio | React.js**
  Website that showcases and highlights work, achievements, skills & experiences.
  Hooks | Chakara-ui | Formik

- **TextForms | React.js**
  The Textform performs unique flexible capabilities for processing textual data.
  Hooks | Bootstrap

Professional Experience

SOFTWARE ENGINEER
HCL
08/2022 - Present

Summary

- 1.5 years of relevant IT experience in software Quality Assurance.
- Specialized in consumer electronics domain, particularly in testing smart TV features and applications.
- Proficient in Testrail execution.
- Strong knowledge and experience in dealing with various types of bugs including UI, functional, non-functional, performance and user perspective bugs.
- Expertise extends to globalization testing across diverse regions.
- Hands-on experience in Android application and APK testing, adapt at creating and modifying test cases to accomplish new features.
- Experienced in finding defects and classifying them based on defect ranking.
- Proficient in defect registration and tracking in JIRA.
- Capable of reproducing defects requested by clients and attaching logs in JIRA.
- Experienced in testing NTSC and ATSC broadcasting standards for television signals.
- Automation experience with python particularly in automating reproduction requests.

Technology and Tools:
Tera term | JIRA | Confluence | ADB | AKIRA (Automation) | Signal Generator | DekTec (DTU 315 Modulater) | Consumer Entertainment products (Audio System, Soundbar, HRTF) | Microsoft Excel

Skills

PYTHON   REACT   HTML   CSS   JAVASCRIPT   MYSQL

Certificates

- **Basics of Frontend Web Development | Coursera**
  Introduction to HTML5 | Introduction to CSS | Interactivity with JavaScript | React Basics | React Advance

- **Python | Coursera**
  Data Structures | Using database with python | Python to access web data

Achieventments

- Winner of the project Exhibition - 2022
- Participated in state level Engineering Student Project Exibition Competition
- ERS Champion Award | HCL | 15/03/2024