#### **Pavitra S**

#### A Software Engineer with **1.4 years** of experience in embedded software development and good knowledge on android middle ware and developing Application with good understanding of C language, Linux Kernel internals, Device Drivers (SPI slave driver), networking basics with exposure to the Software Development Life Cycle.

**Technical Skills**

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| Operating Systems | Android , Linux |
| Languages | C, PYTHON,core JAVA |
| Tools | GCC, Make, Cscope, Android Studio |
| Debuggers | GDB,ADB |
| Education | B.E (Electronics and Communication Engineering) |

**Education Qualification**

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| **Year** | **Degree** | **Institution** | **Percentage** | **University** |
| 2015 | B.E | UBDT college of engineering Davangere | 69.70 | VTU |

**Project Profile**

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| **Project 1** | **Locate Friends** |
| Description | Locate friends using GPS |
| Contribution | * Show the list of friends in and around the current location. * Search for a friend and locate him with a distance and guide him . |
| Environment | * Android SDK * Google Maps and places API's * Android Studio |

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| **Project 2** | **Android Audio Player** |
| Description | Debugging and understanding code flow of media service (audio) in android |
| Contribution | * Setting up Android M build environment for Snapdragon platform * Debugging and Patching of Android media service Middleware code to understand audio flow in android * Worked on creating report on media code flow in android |
| Environment | OS : Android (Marshmallow)  Platform : Qualcomm 410c |

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| **Project 3** | **SPI slave Driver for ADC** |
| Description | SPI slave driver for ADC chip to read current data from ADC chip , which converts potentiometer reading from analog to digital. |
| Contribution | * Cross compiled linux-kernel for Broadcom chipset * SPI slave driver development * SPI application to read data from the ADC chip |
| Environment | OS : Linux  Platform : Broadcom chipset based board |

**Trainings**

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| **Training Attended** | **GESL Training Program** |
| Duration | 8 months |
| Topics | * C and Data Structure * Linux programming and Internals * Pseudo driver –Char, Block. * Android Architecture * ARM Architecture * Software Engineering * Multi-threading * Knowledge on Various Unix commands and System Calls * Networking basics * Personality Development [Soft Skills, Self-Awareness, Time Management, Teamwork] |