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**SRIPARNA CHAKRABORTY**

**CURRENT ADDRESS** : **EMAIL ID**: [sriparna.c35@gmail.com](mailto:sriparna.c35@gmail.com)

Marathahalli, **Contact No**: +91-9986699012

Bangalore – 560037,

Karnataka, India.­

**PROFILE HEADING :**

B.Tech in Information Technology with around 2 years and 10 months of experience in design and development in C, C++ on Linux platform and Android SDK and NDK. for embedded systems.

**PROFILE SYNOPSIS:**

1. Known Technologies : C, C++ , Android framework, Android programming, NDK, opengl es 2.0
2. Ample knowledge of Linux fundamentals and programming in Linux
3. Good knowledge of design patterns , unit testing and debugging
4. Experience in applying **System Development Life Cycle** (SDLC) for applications and understanding of business rules

**WORK EXPERIENCE :**

1. AirWatch India Pvt. Ltd : December 2014 to present

Working as a Software Developer here. Here I am involved in design, development and bug-fixing in the email client

as a MDM solution.

1. TP Vision India Pvt. Ltd : July 2012 to November 2014

Worked as SeniorSoftware Engineer with TP Vision India Pvt. Ltd, Bangalore . TPVision is a product-based MNC which makes the entire software for Philips TVs. Here I have been involved in implementing the various live TV broadcasting standards (DVB) used in Europe for Antenna , Cable and Satellite and other modules related to representation of audio , video and data on TVs. Apart from this, I have also been involved in the design and implementation of various Smart TV features in TV like Multiview , Text Search and Voice Search. My performance here has been well appreciated and I have been recognized as anExcellent performer, performing beyond expectations during appraisal.

**TECHNOLOGIES USED :**

**Technologies**  : C, C++, opengl es 2.0, Core Java, Android5.0, Android AOSP, SQL

**Platform** : Linux, Android SDK, Android NDK, Git, CM Synergy

**Debugging tools used** : GDB, eclipse, Android Studio

**Other skills :**  Linux programming, data structures, algorithms, design patterns.

**PROFESSIONAL EXPERIENCE :**

1. Design and development of UI modules in Email client in an MDM (Mobile Device Management) environment.
2. Coding for supporting SMIME, Exchange and Lotus servers in Email Client
3. Development of parsers for incoming data in Email Client
4. Design and development of the TV Input Framework for Android L
5. Implementation of Multiview in Philips TV, thereby enabling TV viewing with other features e.g. : TV+TV viewing, Teletext + TV viewing and Browser+TV and Skype+TV.
6. Development of a search module for text search and voice search to : Search for channels, events and recordings based on any query string provided by the user and enabling the user to directly tune to the particular channel from search results.
7. Avstream implementation : : Development of parsers to extract meaningful data from live stream input and convert them into structures to enable rendering of audio , video and data. Downloading of content from internet as well as live stream and rendering of audio, video and data.
8. NVM Implementation : Development of a framework for managing the non-volatile memory in TVs and enabling its interaction with the rest of the system.
9. EPG Implementation : Development of a module in which EPG data of the channels installed in the system is extracted from the stream at regular intervals and updated in a structure. This had to be highly optimized, crash-proof and power-cycle proof.
10. Graphics Module for TV: Implementation of the TV graphics module to render various graphical elements on the screen like fonts , bitmaps and various coloured regions as well as advanced visual representations such as slideshows , tiling, scaling, fading effect and various other manipulations
11. Experience in solving certification issues for MHEG and Android TV-CTS.

**Academic Projects** :

1. **Project Title : Network-on-Chip**🡪 Academic project : major project

**Synopsis** : Network-onChip (NoC) is the communication subsystem between the different components in an Integrated Chip (IC). The project involved a detailed study of the different communication methodologies and devising of an algorithm to minimize the latency in communication on the NoC and implementation of the same .

**Responsibilities**: Research and analysis, Development of a new communication methodology for minimizing latency in communication, Coding, Testing and bug-fixing, Developing the various documents as required in the project life cycle

**Language used** : Java

1. **Project Title : Website Development**🡪 As part of summer internship in IOCL, Kolkata

**Synopsis** : Development of the official website for IOCL, Kolkata.

**Responsibilities** :Design and coding for development of the website, Actual deployment of the website

**Languages used** : HTML, CSS, PHP , JavaScript

1. **Project Title : Payroll Management System**🡪 Academic Project

**Synopsis** : Development of the Payroll Management System of Assam University by taking into consideration the different pay scales , bonuses, increments , decrements , loans as applicable.

**Responsibilities** :Developing the various documents as required in the project life cycle, Desigining the project , Coding, Testing and debugging

**Languages Used** : Java

**ACADEMICS :**

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| --- | --- | --- | --- | --- |
| **Academic Level** | **Year** | **Institute** | **Board** | **Percentage** |
| B. Tech (Information Technology) | 2012 | Assam University | Assam University | 77.0 |
| 10 + 2 | 2008 | Kendriya Vidyalaya | CBSE | 66.6 |
| 10 | 2006 | Carmel Convent High School | ICSE | 89.3 |

**STRENGTHS :**

1. Quick at learning and adapting to working environment
2. Enthusiastic and research oriented.
3. Creative and good at time management, leadership and team work

**CAREER OBJECTIVE**

To acquire a challenging position in an organization that provides an atmosphere of learning, creativity and mutual growth, where my skills will be utilized and enhanced .

**PERSONAL INFORMATION :**

**Name**: Sriparna Chakraborty

**Father’s Name**: Mr. Pranab Kumar Chakraborty

**Mother’s Name** : Mrs. Rekha Chakraborty

**Marital Status**: Single

**Date Of Birth**: 3rd May, 1990

**Qualification**: B.Tech in Information Technology

**Hobbies**: Reading novels, listening to Music

**Known Languages** : English, Hindi, Bengali, Assamese

**DECLARATION :**

I hereby declare that above-mentioned information is correct up to the best of my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Sriparna Chakraborty.