**Sanjeeta Jesthi**

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**OBJECTIVE:**

**To be a part of a well-reputed organization that values its employee and helps them to reach their full potential. An Organization that believes and empowers me , to the extent to be able to express myself, and thereby deliver to meet the organizational objectives without compromising on quality and timelines.**

**ACADEMIC PROFILE:**

* Bachelor of Engineering in Computer Science and Engineering.(B.E) from National Institute of Science and Technology.
* St. Joseph’s Girls’ High School. -ICSE

**Professional Summary:**

* Completed Masters Program in Data Science.- R, Python, Machine Learning
* Top 20 finalists in the Genesis Blockchain Hackathon - Oct2019
* Top 30 finalists in the Accenture Blockchain Hackathon -2018.
* Participated in NASSCOM BlockChain Hackathon-2018 and made way to the top 50 Finalist.
* Completed Course on Modern Mobile Application Development given by IIT Madras.
* Over 6 years’ of IT experience in field of Embedded Software Domain.
* Expertise in device driver development for Mobile handset Devices based on Symbian OS and OMAP chipset.
* Experience in Device Driver Development, Base porting activity and Test case development.
* Volunteered in Texas USA & Melbourne Australia, in teaching kids of the society. Worked with the kids helping them to create a lifetime love for learning. Areas which I was associated with –Phonics, Math, Science, Computers.

**TECHNICAL COMPETENCY:**

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| --- | --- |
| **PROGRAMMING LANGUAGES** | **R, Python, JavaScript, C,C++, HTML, CSS, Solidity, Nodejs** |
| **OPERATING SYSTEMS** | **Symbian OS-7.x,8.x,9.x,Windows (98,NT,2000)** |
| **HARDWARE** | **OMAP 3430,2430,2420,1710,1610,730** |
| **VERSION CONTROL** | **Rational Clearcase** |
| **DEFECT TRACKING TOOL** | **Rational Clear Quest** |
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# **Management Skills**

* Strong problem solving & technical skills coupled with confident decision making for enabling effective solutions leading to high customer satisfaction.
* People management and competency development. Drives Compliance to Client and Organization processes and policies. Ensuring quality of deliverables.
* Proficiency in handling computer aided tools and the web platform.
* Follows high standard of personal and work ethics.
* Excellent Communication Skills. Written and Oral.
* Consultancy , interviewing and Knowledge Transfers and Team Building

**EXPERIENCE SUMMARY:**

**Data Scientist Masters Program:**

**Technology used: R, Python, ML,AL,Tableau**

* Detailed coverage on programing languages of R, Python.
* Various projects coved using machine learning algorithms of Linear Regression ,K-nearest neighbor, Decision Tree Classification, Random Forest Classification.
* Supervised Learning, Unsupervised Learning
* Time Series Modeling
* Data Mining

**Genesis Blockchain Hackathon 2019:**

**Team Size: 2**

**Use Case: Identity Management using Blockchain**

**Technology used: Etherum, Solidity, HTML,CSS, Nodejs, MySQL, IPFS**

* Among the top 20 teams to make it to the finals.
* Designed an end-to-end solution for Identity Management using Blockchain.
* Developed POC
* In the current system Identity management, authenticating a persons identity as well as **identity theft** is a serious issue/challenge not only for the person concerned but also for the organization trying to verify the identity.
* India being a country with a population of over a billion people the problem becomes all the more overwhelming.
* A individual stands at risk when he has to prove his identity to different organizations in term of time/resource and **document being misused**.
* From an organizations point of view it is a **added burden of resource** being used to authenticate identity of individuals at the same time difficult for organizations to identify forged identity.
* **Secure Vault** is a **block chain** based ***identity management system*** aims at providing a one stop secure solution for digital identity management.
* Detailed paper Submission containing Business Architecture, Solution Architecture and Data Architecture.
* DApp , Ethereum, Truffle framework, IPFS

**Accenture Blockchain Hackathon 2018:**

**Team Size: 3**

**Use Case: Identity Management using Blockchain**

**Technology used: Etherum, Solidity, HTML,CSS, Nodejs, MySQL, IPFS**

* Among the top 30 teams to make it to the finals.
* Designed an end-to-end solution for Identity Management using Blockchain.
* Developed POC
* Solution designed to allow movement of user specific data from one platform

to another.(“Data Mobility”)

* Solution allows deletion or anonymization of user specific data in case a user withdraws consent.
* Detailed paper Submission containing Business Architecture, Solution Architecture and Data Architecture.
* Hands-on DApp , Ethereum, Truffle framework

**NASSCOM Blockchain Hackathon 2018:**

**Team Size: 4**

**Use Case: Blockchain and GDPR Compliance** (Digital Records and Regulatory Compliance)

**Technology: Ethereum Blockchain, Solidity**

* Among the top 50 teams to make it to the finals.
* Designed an end-to-end solution which allows business models handling personal data of customers to comply with GDPR regulation.
* Basic Loan processing P2P lending platform facilitating exchange of loan between Borrower/Lender using **Ethereum Blockchain Network** being complaint with **GDPR Regulation.**
* Solution designed to allow movement of user specific data from one platform

to another.(“Data Mobility”)

* Solution allows deletion or anonymization of user specific data in case a user withdraws consent.
* Detailed paper Submission containing Business Architecture, Solution Architecture and Data Architecture.
* Hands-on DApp , Ethereum, Truffle framework

**Attended a hands-on workshop conducted by BCIC on BlockChain Technologies:**

* The workshop gave an insight on cryptography, crypto currency, Blockchain, Ethereum and security.
* Hands on in configuring a private blockchain, usage of Ethereum wallet, Smart contracts and

Solidity programming.

**Certification on Modern Application Development given by IIT Madras.**

**Course Duration: 24th July 2017 – 24th September 2017**

**Details covered in Course:**

* Introduction to Internet.
* Building a WebApp –Server-side/ Client side Java Script and HTML/CSS.
* Database- Connecting webapps to a database SQL injection
* Security for WebApps - authentication ,hashing ,curl & sessions, best practices
* Android Application Development
* Introduction to iOS .

**WIPRO TECHNOLOGIES: Oct-13th 2003 to July-3th 2009**

**Trainings attended:**

* S60 training Basics and Introduction, Wipro Technologies Bangalore
* Symbian Multimedia Basic and Introduction, Wipro Technologies Bangalore

**Prior Work Summary:**

**PROJECTS WORKED:**

**PROJECT: SYMBIAN BASE PORT**

**ROLE: Senior Project Engineer.**

**ENVIORNMENT:**

**PROGRAMMING LANGUAGE: C++**

**OS : Symbian OS 8.x and 9.x**

**PLATFORM: OMAP 3430, 2430, 2420, 1710**

* Developed keypad driver on OMAP4430.
* Taken up complete ownership of the McSPI(Serial peripheral interface) module , which is a serial interface used for data transfer .It supports data transport both interrupt as well as DMA mode supporting in half-duplex as well as full duplex transfers
* Enhancement of the McSPI driver to provide master slave support on OMAP 2420 and OMAP 2430 chipset, wherein the McSPI module can be configured as an master(provides clock) or a slave test case development to test the master slave interface and performance of the SPI module.
* Provided HDQ(High-Speed data Queue) support on 3430. This is a 1-wire interface used for data transfer. The Battery chip (bq) is connected to this interface via which one can get the battery status information.
* Worked on the McBSP module (Multi Channel Bus Serial protocol), which provides direct interface to industry codec. This works both on interrupt as well as DMA mode and is interfaced to the Triton Audio chip in 3430.
* BCI (Battery Charger Interface Module).This supports both AC/USB charging and the battery chip connected to the Triton Chip of OMAP 3430.
* Worked on defect fixes and enhancements on other modules - BCI, Audio,McBSP,I2C,SPI,etc
* For the enhancement requests have been involved in design, implementation, tests case implementation, testing, and documentation of the feature for the module.
* Taken up Integration and release activities, involving system level testing.
* Have contributed towards review of modules.
* Assisting and handling escalations in Technical issues.

**PROJECT—UTF-UNIT TEST FRAMEWORK**

**DATE : JUNE-2004- DEC 2004**

**ROLE: Project Engineer**

**ENVIORNMENT:**

**PROGRAMMING LANGUAGE: C++**

**OS : Symbian OS 8.x and 9.x**

**PLATFORM : OMAP 1610 , 1611 , 1623, 1710**

* Implemented exhaustive test cases to test driver code across various Platforms running on the Symbian OS.
* Project covered the whole software development life-cycle.
* Involved in design phase of the project.
* Developed test cases for the SPI and McBSP SPI module on Symbian.
* The test case application aimed at thorough testing of the drivers providing for basic functionality test, scenario test, code coverage test.
* Integration and release activity.
* Testing both at module level as well as system level.
* Detailed documentation of the design and approach taken.

**PROJECT— BASE PORT**

**DATE : JAN 2004 – MAY 2004**

**ROLE: PROJECT ENGINEER**

**ENVIORNMENT:**

**PROGRAMMING LANGUAGE: C++**

**OS : Symbian OS 7.0.13**

**PLATFORM: OMAP 730**

* This project spanned for the full software development life cycle.
* Have been involved in design development testing, documentation of modules.
* Handled the Battery, HDQ and touch screen modules.
* Design and development of the Battery Driver (BQ24020 chip).The battery driver was interfaced to the OMAP 730 chip via HDQ driver.
* The battery driver covered to major functionalities - Battery charging (AC/USB) and Battery Status Information.
* Design and implementation of the HDQ which interfaced the battery. HDQ is a 1-wire serial interface used to read/write data.
* Involved in implementing the Touch screen driver which interfaced the OMAP 730 chip via I2C.
* Development of test case for the battery module which retrieved battery status as well as notified a battery plug-in and plug-out.

**Voluntary Community Service**

* Location -Irving - Texas USA - Volunteered in teaching kids of the community.

Focus Areas: Academics, Human Behavioral and Extracurricular Activities.

Age group: 4 years -8 year. Helped kids in creating a lifetime love for learning.

Subject Areas: Phonics, Reading, Mathematics, Science, Computers.

* Location : YMCA Melbourne Australia

Focus Area: part of the ‘Homework Club’ to help out kids of the society with their homework

and after school activities.

Age Group: 5-10 years

Subjects Area: Mathematics, Science, Computers**.**