|  | |  | India | | --- | --- | |  | +91-9912691221 |       **Profiles**  www.linkedin.com/in/leela-velamakanni-78813820b  Mail-Id:leela2k16@gmail.com      **Education**  2022  **Post Graduate Program** | Data Science  Purdue University in Collaboration With IBM, Simplilearn Certified  2010  **M Tech. [CSE]**  Nagarjuna University  1999  **MCA**  Andhra University  1995  **Bachelor of Science**  Nagarjuna University      **Certification**  **1.** **Post Graduate Program in Data Science:**    **Technical Skills**   * **Tools/IDE:** Spark, PyTest, REST, Tableau, Visual Studio, Docker and VScode * **Debugging Tools:** gdb, dbx * **RDBMS:** SQL, Oracle, PostGres and MongoDB - NoSQL * **Operating Systems:** Linux, Ubuntu and Unix * **Programming Language:** Python, C++, C and Core Java * **Scripting Language:** Python and Shell scripting * **Cloud:** AWS and GCP       **Accomplishments**   * Outstanding performer annual award as an individual contributor * Received twice team achievement award for teamwork       **Additional Information**  **Soft Skills:** Sound analytical, problem solving skills, interpersonal and communication skills |  |  | **Leela M Velamakanni**      **Career Objective**  I seek a challenging position in the area of **Data Analytics, Machine Learning, Python, C++, C &** **related fields** where I can share my skills and expand my capabilities further in the pursuit of progressive career advancement.      **Summary**   * About 11.6 years' experience in developing applications using Python, C++ and C * 5.6 yrs. of experience in C++ and around 3 yrs. experience in C and Python * 1 year experience in Python scripting and 3+ years in Shell scripting * Exposure in Python scripting and data analytics using Python & tools: Tableau * Exposure in Python, Big Data, Hadoop and Spark * Exposure in PostGre and MySql Queries * Experience in writing SQL queries and stored procedure using PL/SQL * Experience as data analyst and cloud engineer * Good experience in optimized coding, debugging, and troubleshooting in   RTOS-Linux, Unix, Solaris, VMS and QNX – real time operating system   environment    **Professional Summary**   * Previously worked as Sr.Software Engineer in People Tech Group (P) Ltd.HYD. * Worked as Freelancer on Data Science project from July 20 – Dec’22 * Post Graduate Program in Data Science during: July 19 – June 20 * Worked as Verification Engineer in AMD,HYD from Mar'16 - Apr'17 * Worked as Sr.Software Engineer in Paypal India Pvt. Ltd.,Chennai from May’2011 – May’2015 * Worked as Lead Engineer in HCL Technologies (P) Lt., Bangalore from Mar’2010 – May’2011 * Worked as Sr.Software Engineer in IBM, Bangalore from Mar’2007 – Aug’2008 * Worked as Technical Associate in Tech Mahindra, Pune from   Oct’2005 – Mar’2007  **Projects**  **1.RTOS Apps – HMI Design System | Jan’23 – Jul’23**  Develop HMI Applications for Next Generation Cars.Human Machine Interface (HMI) development allow drivers to interact with touchpads, multi-touch dashboards, built-in screens, control panels, push buttons, and traditional keypads. Because a car is an entire ecosystem of interconnected parts, quality HMI software is crucial for the automotive industry. Using the latest technologies, automotive HMI software makes next-generation cars adaptive and personalized. Modern consumers demand a seamless experience, and HMI solutions can satisfy the demand for smooth interactions with a car. Enabled by smart systems and embedded sensors, human machine interfaces make sure that vehicles react to driver intent and preferences. We used LG hardware, HMIC renderer for UI, Altia third party renderer QT Creator for development and IBM Rhapsody tool is used for model implementation. The following are the software modules and design decisions made to execute this project  **Payroll Company:** People Tech Group Pvt. Ltd. | **Client:** General Motors (GM)  **Role:** Sr.Developer in RTOS-Climate team to perform:   * Check Climate Bar (HVAC) components in the bottom of HMI Home Screen, by running RTOS-HVAC Application. * HVAC Components: Flyout Windows for Temp and Seats, Sync, AC-Heat, Air Distribution, Front-Rear Defrost, Rear Climate etc. * Model based development using Rhapsody Model Tool, where Rhapsody as a state machine handles events and screen transitions whenever the user performs certain actions on UI (user interface). * UI implementation through HMIC Designer. * **Skills:** C++, Python Scripting, QT, **QNX**, Windows and GIT(Version Control tool)   **2. Sensor-Fault-Detection** **| May'22 – Dec’22**  **Description:** The Air Pressure System (APS) is a critical component of a heavy-duty vehicle that uses compressed air to force a piston to provide pressure to the brake pads, slowing the vehicle down. The benefits of using an APS instead of a hydraulic system are the easy availability and long-term sustainability of natural air.  **Client:** Freelancing Project  **Role:** Data Analyst in automation team to perform data mining, data exploration, data visualization and building Machine Learning Model for better Performance   * The classical machine learning tasks like Data Exploration, Data Cleaning, Feature Engineering, Model Building and Model Testing. k-means machine learning algorithm, that's best fit for the above case * Write code in a modular fashion, so that code should be: * Safe: It can be used without causing harm. * Testable: It can be tested at the code level. * Maintainable: It can be maintained, even as your codebase grows. * Portable: It works the same in every environment (operating system) * **Skills:** Python, Excel, Machine Learning, CI/CD data pipeline, docker, GIT (Version Control tool) and JIRA   **3. NCR Payment Solutions | July 21 - April 22**  **Description:** NCR Global – Digital Banking, POS Systems, Payment Solutions  **NCR** is the world's leading enterprise provider of software, hardware and services for banks, retailers, restaurants, small business and telecom  **Client:** NCR  **Payroll Company:** Attra Infotech Pvt. Ltd. **|** **Client:** NCR  **Role:** Cloud Engineer in eWIC Customer Payment System to perform data analysis, data visualization, predicting future outcome and validation of predictions.   * Advanced data analytics for assessing customer transactions and discovering insights about at-risk transactions: * Rapidly respond to shifting trends, regulatory mandates and new competition across all lines of business and payment types with a modern payment platform that can be deployed on premise or in the cloud * Digital Payment Acceptance for Acquirers Cloud based platform promotes organic growth through a vast library of open APIs, feature rich functionality and extensive reporting capabilities * **Skills: C++, Docker, Azure Cloud, Visual Studio,** Python, GIT (Version Control tool) and JIRA   **4. Retail Customer Segmentation | Jan' 21 – June 21**  **Client:** Internship Project  **Role:** Data Analyst in automation team to perform data mining, data exploration, data visualization and building Machine Learning Model for better Performance   * The classical machine learning tasks like Data Exploration, Data Cleaning, Feature Engineering, Model Building and Model Testing. k-means machine learning algorithm, that's best fit for the above case * Write code in a modular fashion, so that code should be: * Safe: It can be used without causing harm. * Testable: It can be tested at the code level. * Maintainable: It can be maintained, even as your codebase grows. * Portable: It works the same in every environment (operating system) * **Skills:** Python, Excel, Machine Learning, GIT (Version Control tool) and JIRA   **5. Advanced Micro Devices, Inc. (AMD) | Mar'16 - Apr'17**  **Payroll Company:** Magna Infotech Pvt. Ltd. | **Client:** AMD  **Role:** Verification Engineer in Connectivity team to perform:   * Check communication among components in the chip-set, by running automation scripts: * Automate Interfaces => IFRIT Create an interface specification language and tool for describing data transactions between blocks and generating monitors, classes, assertions * Automate Connectivity => BIA Create a connectivity specification language and tool for assembling blocks and interfaces and generating multiple views from the result. * **Skills:** C, C++, Python Scripting, Linux and GIT(Version Control tool)   **6. Distribution Floor Control System | April 2013 - May 2015**  **Payroll Company:** Cognizant Technology Solutions (P) Ltd. **|** **Client:** Paypal  **Role:** Senior Developer in control system's consolidation flexi team   * Designed, developed, and tested BOL Changes, Wave4 Project, and Purge daemon * Worked with clients for requirements gathering and design discussion * Used ClearQuest and JIRA for bug tracking and GIT for source control * Involved in bug fixing and code reviews * **Skills:** C, C++, Stratus, Shell script and CMS (Version Control tool)   **7. Check-out | June 2011 - Mar'2013**  **Payroll Company:** Ness Technologies (P) Ltd. **| Client:** Paypal  **Role:** Senior Developer in Checkout – Middleware Team   * Designed, developed, and tested Touchstone, Brazil Tax ID and S2F feature * Worked with client for requirements gathering and design discussion * Developed component design doc., low level design, use-case and sequence diagrams using visual tool * Developed low level design with data structure, interface descriptions * Used ClearQuest and JIRA for bug tracking and GIT for source control * **Skills:** Linux, C++, Oracle and GIT (Version Control tool)   **8. Photo Player | Mar'2010 - May 2011**  **Payroll Company:** HCL Technologies (P) Ltd. **|** **Client:** SONY  **Role:** Senior Developer in Net - Middleware of photo player module   * Designed, developed and unit tested base porting – 2011 * Involved in bug fixing and code reviews * Developed high level design with functional, use-case and sequence diagrams using Jude – tool * Developed Component Design Doc. and low-level design with data structure, interface descriptions. Did Peer reviews * Executed unit test plan for individual modules of the feature and ensured the functionality * **Skills:** Linux, C++, SQL, IPC, Shell script and Perforce (Version Control tool)   **9. Provisioning System | Mar'2007 – Aug’ 2008**  **Description:** Provisioning is a process by which service is provided to customers. It encompasses everything from requisitioning and activating mobile phones to adding and providing additional services, such as, voice mail, SMS and so on. Sub-admin is an interface to process commands to process required services as mentioned above. ISAAC is a core component of the subscriber administration system for the Vodafone GSM network. ISAAC is responsible for maintaining GSM subscriptions, and is involved in many types of provisioning transactions  **Payroll Company:** IBM India (P) Ltd. **|** **Client:** Vodafone  **Role:** Senior Developer in Provisioning module  Participated in the client discussions for the requirements gathering and design specification   * Involved in bug fixing and code reviews * Developed the detailed design document with clear functional and use-case diagrams and sequence diagrams * Developed Component Design Doc. and low-level design with data structure, interface descriptions. Did Peer reviews * Executed unit test plan for individual modules of the feature and ensured the functionality * **Skills:** C++, C, ProC++, Shell script and Clear Case (Version Control tool)   **10. Billing System – BT01 (Telecom) | Oct'2005 – Mar'2007**  **Payroll Company:** Tech Mahindra Pvt. Ltd. **| Client:** British Telecom  **Description:** As part of OFCOM’s TSR it has been mandated that BT Retail sells its PSTN services based on Wholesale Line Rental products using ‘Equivalence of Input’. This provision has to be in place by the relevant ‘Ready for Service’ (RFS) dates and applies to new customers (End-Users) to BT only.  **Role:** Developer in ADDs module of CSS Billing System   * Developed new functionality for Letters-Reminders, Credit Note and eUnbill features. * Executed unit test plan for individual modules of the feature and ensured the functionality.   **Skills:** C, Oracle, AMDOCS, **IPC** and CVS (Version Control Tool) |  |
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