|  |
| --- |
|  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arun Singh        Professional Summary  As a seasoned technical specialist with 19 years of experience, I have worked in the ERS team as a Data Scientist and Business Analyst. I have a strong background in leveraging Generative AI, AIML, LLM, Classification, regression, Anomaly detection, sentiment analysis, Time series forecasting, ETL, Python development, Docker, Kubernetes, and GIT. I am proficient in data science libraries such as scikit-learn, Pandas, NumPy, and Matplotlib. Additionally, I have expertise in internal process automation and are critical for on-site production and development workloads. My experience enables to identify new business opportunities and propose solutions for various use cases based on data types.      Experience    Technical Architect, 12/2021 - Current  HCL Technologies **-** Bangalore**,** KARNATAKA   * Genai-like models (Openai, Gemini) used for various development use cases: * Code Summarization * Code Clone Detection * Code Generation * Unit Test Case Generation * Change Impact Analysis * Test case generation, grouping, optimization, and duplicate defect detection using Genai-like models * Identifying business opportunities and creating Proof of Concepts (POCs) for clients * Implemented LLM testing with Fiddler auditor and generated FAQs * Implemented MLops in Mlflow for in-house applications * Implemented deep checks for data integrity, train-test validation, and model evaluation * Working on AION (in-house ML tool) for feature enhancement * Demonstrated various use cases and increased business for HCL departments * Assisted internal teams in identifying ML use cases and business opportunities * Developed testing mechanisms for LLM models * Deployed deep checks library to evaluate ML model performance before production * Analyzed promotion data with sentiment analysis for HR team * Identified abnormal usage for Azure billing using DBscan * Presented document summarization using LLM models to internal clients * POC for Google team to detect duplicate defects in Android release * Productivity forecasting for QA engineers on product and project levels * Xapp deployment with anomaly detection for Meta * QnA Generator use case presentation * Helped clients identify abnormalities in core KPIs and deployed explainability tools for classification and time series data analysis * Demonstrated technical skills in PostgreSQL, Pytest-bdd, Python, and Azure Data Factory * Consumed data from old finance static API and ingested it into a data warehouse staging layer in PostgreSQL.     SR Manager,Python Developer, Automation Lead, Devops Engineer, Delivery Manager And/or Project Manager, 11/2013 - 12/2021  Huawei Telecom India Pvt. Ltd **-** Bangalore   * Hands on experience working with AWS * Prepare the various complex validation scripts for NRM (network resource Management) data migration which cannot be handled manually * Develop the ETL in Python using corresponding libraries like pandas, Numpy, XmlParser etc * Working on ETL in python, Pandas data frame from XML and CSV processing * Expertise in automating business scenario to increase productivity and efficiency of RF engineering team * Hands on experience in Agile Mythology and expertise in implementing to automation team for better efficiency and easy tracking of tasks * Developed a tool/framework using Python to automate different department's business scenarios * Expertise in lead the team of Python developers to * Worked as an “automation & domain expert” to increase the efficiency by using automation and/or resolve issues at program level project * Used different technologies/libraries in Python like - Pandas, Matplotlib and TKinter * Hands on experience in integrating Python tool with MySQL to reuse data in future and develop business patterns * Expertise in gathering business requirements and transforming them to technical requirements for developers * Managing the defects using JIRA and deciding/maintaining the priority for same * Project Name - Huawei internal platform OWS, Scripting for file handling, ETL and rule development, Automate the Manual complex task as per business logic through Python * Deliver 10 ETL using Python, Pandas, XML parser * Follow agile flow with Requirement Analysis, Development, Peer review, testing for all +ve and -ve cases Professional Experience - Huawei Technologies Project Name - Internal Automation Drive.     Sr Software Engineer, 07/2008 - 11/2013  ZTE Telecom India Pvt Ltd **-** Gurgaon   * Developed offline tools for KPI monitoring using python and MySQL * Developed and configured various dashboard, custom Reports and Report folders for different user profiles based on need in organization.   Sr RF Engineer, 09/2006 - 07/2008  Alcatel-lucent **-** Hyderabad   * Daily performance monitoring which mainly included monitoring and troubleshooting high Drop Call Rate, Established Call Failure Rate for Origination and Termination, RF Failure Rate for Origination and Termination, Origination/Termination Blocking Rates, high SHO Percentage per sector carrier and Semi SHO failure rate and finished RF ATP     RF Testing Engineer, 06/2005 - 09/2006  Wayforward Telecom Solutions **-** Chandigarh   * GSM RF Candidate site survey and approval from Customer. * Drive test for network optimization * Offering A/T for new sites as well as swap sites, drive pre/post and shows the coverage according to the predication map. * Analyzing, troubleshooting & solving Radio Network Problems. * LOS transmission survey for highway link and city link     **ACHIEVEMENTS**   * Got appreciation for automating complex migration verification from UK client in 2020. * Best knowledge sharing contributor in Huawei * Best Team Manager employee choice award in 2019       Education     |  |  |  |  | | --- | --- | --- | --- | | **Education** | **University** | **Specialization** | **Passing Year** | | BTech | JSS Academy of Technical Education UPTU | Instrumentation and control | 2005 | | Intermediate | UP Board | Physics, Chemistry, Mathematics | 1999 | | Highschool | UP Board | Physics, Chemistry, Mathematics | 1997 |   **Hobies**  Long distance Running, Playing Volleyball, already completed several Ultramarathons. |  | Contact  **Address** : Bangalore,India,560100  **Phone** : 9639007632  **Email** : arunbalyan0120@gmail.com      Core Qualifications   * LLM * Openai * Gemini * Prompt Engineering * PostgreSQL * ETL * GUI * Linux * MySQL * Python * Pandas * Docker * GIT * Amazon Web Services (Aws) * Azure Devops * Confluent Kafka (beginner) * Pytest-bdd * Scikit Learning * kafka |
| s |  |  |