Ramya Sai Swathi Mangu

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TECHNICAL SKILLS

- C/C++
- Java
- Python
- JavaScript
- API
- NumPy, Tensorflow, Pandas,

- Keras, Scikit-learn
- HTML 5
- CSS
- Bootstrap
- React
- SAPUI5
- FIORI

- jQuery
- Git, Github
- MySQL
- ABAP

- Machine Learning
- Quantitative Analysis
- Network Protocols
- Information Retrieval
- Data Structures and Algorithms

EXPERIENCE

Trainee, SAP Development

Sony Pictures and Entertainment   *April 2023 – Present*

Environment: ECC 6.0, SAP UI5, SAP FIORI, SAP HANA.

Responsibilities:

- Developed a custom end to end FIORI application that enables the client to manage employee records.
- Developed an end to end FIORI application for FI posting with options to Simulate and approval submission.
- Developed a program that resends the Purchase Order confirmation details to Workday based on status, date and PO number of previous transport.
- Created an User Exit to include a default value for the Material description whenever the material description field is empty during Material creation.
- Testing technical issues of job scheduling in migration from D-Series to BMC Control-M tool.
- Developed a program to extract groups and nodes in Profit Center and output the hierarchy into a file in the application server.
- Developing user interfaces using standard SAP UI5 libraries to input production cost to post financial documents.
- Designing and Developing ODATA Service for SAP FIORI applications.
- Deploying applications from SAP WEB IDE and Eclipse to SAP ABAP repository.
- Customizing the screens of Fiori applications based on Client specific requirements.
- Implementing standard lighthouse applications through FIORI launchpad designer.

- Creating catalogs and groups based on the application and client requirements.
- Debugging and resolving technical issues of SAPUI5 applications and ABAP programs to fix UI and performance defects.
- Extracting the required financial data from flat files on the application server and inserting it into the designated standard SAP tables.
- Building Selection screens and showing the results as drill down ALV reports.
- Participating in User Acceptance Test plans and performance testing.
- Analyzing requirements from functional requirements specification document and preparing technical specifications and participating in code reviews.

UNIVERSITY OF CALIFORNIA, IRVINE   **Irvine, CA**

Data Analyst   *January 2022- March 2023*
Environment: Visual Studio, Google Colab, GIT.

Languages: Python, Javascript.

- Worked in the Medical Informatics lab of UCI to evaluate the performance of engines used as digital scribes in medical clinics.
- Extracted research data from the UCI Health Clinical Data Warehouse and other health databases.
- Communicated with researchers to clarify their data needs such as cohort definition (i.e., inclusion/exclusion criteria), data elements required, and data definitions (e.g., codes for disease classification, reference time frame).
- Provided project management support.
- Assisted researchers and clinician scientists in analyzing large volumes of high-dimensional health data.
- Processed the audio data files that are transcribed through different Automatic Speech Recognition (ASR) engines like Amazon and Google and create evaluation metrics to analyze the quality.
- Compared the engine's performances across different recording modalities.
- Conducted cutting-edge, data-driven biomedical informatics research such as using machine learning to build predictive models and natural language processing to extract information from clinical text.
- Co-author of the research paper for American Medical Informatics Association (AMIA).

EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE
Bachelor of Computer Science
GPA: 3.6

CERTIFICATIONS

SAP Certified Development Associate - SAP Fiori Application Developer
November 2023

PROJECTS

Search Engine

- Wrote a search engine from the ground up that is capable of handling tens of thousands of documents or Web pages, under harsh operational constraints and having a query response time under 300ms.
- Primary programming language is Python.

Brain Tumor Radiogenomic Classification
- Co-led a group of 5 to predict the genetic subtype of glioblastoma, a malignant brain tumor, using Magnetic Resonance Imaging (MRI) scans of patients to detect the presence of the MGMT promoter methylation genetic sequence.
- Primary programming language is Python and used binary classification as the base model.

HackUCI 2022 - Exerbuddy
- Created a web application that lets people find workout buddies based on their workout goals, interests and preferences.
- Primary programming language is Python for the backend and used the Firebase API.

Emotion Detection
- Built a BiLSTM model to detect emotion from twitter comments with an accuracy of 64%.
- Primary programming language is Python and used Keras libraries to build the model .

Tunnel Man Game
- Built a game that lets players dig and find gold coins, oils and avoid falling rocks and protestors who chase and shout at the player.
- Worked in C++ and used different data structures and algorithms.

PARTICIPATIONS

Girls Who Code and Accenture - Work Prep

- Selected to participate in GWC's three-week career readiness program focused on technical workshops and professional development with senior leaders and engineers at Accenture.
- Learned about growth mindsets and how to take actionable steps towards my professional and personal goals.
- Workshops consisted of hands-on application and approach to learning suchwith Accenture volunteers.