NARRALA HOMAKIRAN

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Websites, Portfolios and Profiles:

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PROFESSIONAL SUMMARY:

Dedicated Associate Software Engineer known for streamlining Python development processes by exploiting open-source web frameworks and Data Science experience with strong statistics background. Two years of experience using Python and Building predictive models in Machine Learning Algorithms, Artificial Intelligence (AI) and NLP to solve challenging industry problems.

TECHNICAL SKILLS:

- **Languages:** Python.
- **Frameworks:** Flask, Django.
- **DBMS:** SQL, MY-SQL.
- **Data science Libraries:** Numpy, pandas, Matplotlib and seaborn.
- **Data Processing:** Data cleaning, Data Manipulation, Data visualization(EDA), Tableau
- **Machine Learning:** Scikit Learn, Scipy and Algorithms.
- **Artificial Intelligence:** NLP(NLTK), Deep Learning, Tensor flow and Keras.
- **Cloud:** AWS(Amazon Web Services).
- **Other skills& Tools:** Git/Docker, Web scraping, MS-Office.

EXPERIENCE:

December 2021 – August 2024   MOURI Tech Pvt Ltd – Bangalore

Associate Software Engineer:

- As an associate trainee initially worked on Java, JDBC, Spring, Hibernate and Paginate API through spring boot and Crud Operation.
- As an associate software engineer worked in a Project of Application Tracking System on Resume Parsing and Resume scoring using Python, Machine Learning Algorithms and Natural Language Processing (NLP).
- Worked on a client project involving Data Migration and Validation using the Solix tool and DBeaver SQL. Utilized Pandas library for data analysis, manipulation, and visualization purposes.
- Managed cloud infrastructure and services AWS using Python scripts for deployment. Worked in Agile development teams, participating in scrums and sprints to deliver projects   on   time.

PROJECTS:

PROJECT 1: ATS (Application Tracking System) December 2022 – June 2023.

TOOLS: Python, Machine Learning (scikit-learn), NLP (NLTK, spaCy) integration technologies.
DESCRIPTION: Led the development of an advanced module in the MATS (Management Application Tracking System), employing Python, Machine Learning, and NLP to automate resume parsing and scoring. Enhanced recruitment efficiency by analysing and scoring candidate resumes.

Roles and Responsibilities:

- Created sophisticated resume parsing algorithms using Python and NLP.
- Developed scoring mechanisms with ML models for candidate assessment.
- Seamlessly integrated the module, automating candidate profiling and reducing manual screening.
- Trained ML models on a large resume dataset, ensuring accurate candidate scoring with continuous updates.
- Leveraged advanced NLP techniques for semantic analysis, enhancing resume understanding.
- Ensured system accuracy through and thorough testing and collaboration with QA teams.
- Participated in agile ceremonies, including sprint planning, daily scrum meetings, sprint reviews, and sprint retrospectives.
- Interacted with clients through emails and conference calls.

Results:

- Enhanced MATS capability to handle large application volumes and accurately shortlist candidates.

Key Skills Demonstrated:

- Advanced Programming
- Algorithm Development
- Data Analysis
- Machine Learning and NLP Implementation.

PROJECT 2: Database Migration and Management Through Solix Tool (July2023 – January2024)
DESCRIPTION: Implemented a comprehensive solution for database management, migration,

and validation using the Solix tool, enhancing data efficiency and integrity across source and target databases.

TOOLS: Solix Tool and SQL.

Roles and Responsibilities:

- Established seamless connectivity between source and target databases, ensuring efficient data transfer and synchronization (source: SSMS, target: MySQL).
- Developed a detailed Knowledge Base (KB) documenting database schemas, structures, and key data elements.
- Assigned comprehensive Knowledge Base (KB) documenting database schemas, structures, and key data elements to team members based on their respective IDs.
- Facilitated the transfer of data between different databases, ensuring accuracy and consistency.
- Conducted thorough data validation, including row count comparisons and data type verifications.
- Expertly used Solix for efficient data migration and management tasks.
- Participated in agile ceremonies, including sprint planning, daily scrum meetings, sprint reviews, and sprint retrospectives.
- Interacted with clients through emails and conference calls.

Results:

- Successfully completed the project within specified timelines, meeting and exceeding all project objectives.
- Improved overall data quality and reliability, resulting in enhanced decision-making capabilities for end-users.

Key Skills Demonstrated:

- Database Management (SQL)
- Knowledge Base Creation

EDUCATION:

PG Certification Data Science, Machine learning and AI.

August 2021 – Data Trained Academy, Bangalore.

Bachelor of Technology in Mechanical Engineering.

August 2019 - Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology Chennai, India.

LANGUAGES:

- ➢ **English**
- ➢ **Telugu, Tamil and Hindi.**