Bharath Panamgipalli

DSA | JAVA | ANGULAR | SQL | PYTHON

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A passionate and enthusiastic B.Tech graduate with a strong foundation in Java Development and Artificial Intelligence. Skilled in SQL, Core Java, and Data Structures & Algorithms (DSA). Seeking an opportunity to contribute to innovative projects and grow as a proficient software developer in a forward-thinking organization.

Internships

Python with Data Science - TeachNook *Jun 2022-Aug 2022*

Completed a comprehensive training program focused on Python programming and its application in Data Science. Gained hands-on experience with data manipulation, analysis, and visualization using key libraries such as NumPy, Pandas, Matplotlib, and Seaborn. The course also covered foundational concepts in machine learning, including supervised and unsupervised learning, and introduced popular tools like Jupyter Notebook for data exploration

Apprenticeship - Qspiders *Dec 2024 -Apr 2025*

Completed a hands-on apprenticeship program focused on Core Java and SQL with real-world applications in Web Technologies. The training provided a solid foundation in backend development and database management, along with practical insights into building dynamic web-based applications.

Key Learnings:

- In-depth understanding of Core Java, including OOPs, exception handling, collections, and multithreading
- Practical implementation of SQL for data querying, joins, subqueries, and data manipulation
- Introduction to Web Technologies, integrating Java and SQL in dynamic web applications
- Exposure to software development life cycle (SDLC) and real-time project scenarios
- Enhanced problem-solving and debugging skills through structured assignments and projects

Education

Board of Intermmediate Education *2021*

- MPC : Sri Sarada Educational Institutions, Vijayawada-Andhra Pradesh
- Percentage : 93.1

Dr.M.G.R Educational and Research Institute,Chennai,TamilNadu

- Bachelor of Technology : Computer Science and Engineering -Artificial Intelligence *2025*
- GPA: 8.67

Skills

- **Programming Languages:** Core Java, SQL
- **Data Structures & Algorithms (DSA):** Strong understanding of arrays, linked lists, stacks, queues, trees, graphs, sorting & searching algorithms
- **Database:** MySQL
- **Artificial Intelligence:** Basic knowledge of AI concepts and interest in further specialization
- **Tools & Platforms:** Eclipse, IntelliJ IDEA, MySQL Workbench, Git
- **Operating Systems:** Windows, Linux (Basics)

Projects

Phishing Domain Detection

Technologies: Python, Random Forest, RESTful API
Description:
Implemented a machine learning model using the Random Forest algorithm to detect phishing domains based on URL and domain features. Integrated the model with a Python-based API, enabling real-time detection of malicious websites. This project highlights strong data preprocessing skills, ML understanding, and Python integration for cybersecurity solutions.

Detection of Cancer Cells using MATLAB

Technologies: MATLAB, Image Processing, Deep Learning, Random Forest, Watershed, Otsu's Method, AI
Description:
Developed an AI-driven solution for detecting cancer cells from medical images using image processing and machine learning techniques. Employed Watershed segmentation, Otsu's thresholding, and Random Forest classifiers in MATLAB to automate the diagnosis process. Showcased expertise in biomedical AI and feature extraction.

Digital Currency Investment Predictions

Technologies: Python, LSTM, Stochastic MLP, Streamlit
Description:
Built a forecasting model for digital currency prices using LSTM (Long Short-Term Memory) networks and Stochastic Multi-Layer Perceptron in Python. Designed an interactive interface using Streamlit, enabling users to visualize predictions and analyze trends in real time. Demonstrates advanced understanding of deep learning and UI integration.

Hospital Management System

Technologies: Python, Flask (or Django if applicable), Local Server
Description:
Designed and implemented a standalone web application to manage hospital operations, including patient registration, appointment scheduling, and medical inventory. Developed using Python with backend integration, enhancing workflow efficiency and user management on a local server environment.

Websites

- **LinkedIn :** Bharath Panamgipalli | LinkedIn
- **Portfolio :** Bharath Panamgipalli - Portfolio
- **Git-Hub :** bharathpanamgipalli (itz-bharath)