Bharadwaja Manala

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Career Objective

Seeking a challenging role in a reputable organization where I can apply my technical skills and passion for innovative IT solutions. I aim to contribute by developing and enhancing applications that improve user experience and drive business success.

Professional Summary

- **Highly Motivated** and **Detail-Oriented** professional with a solid foundation in **Programming Languages** such as **Python** and **C**
- **Hands-On Experience in Web Development and Data Analysis**
- Proficient in developing and executing **SQL Queries** to **Extract**, **Analyze**, and **Optimize Data** for **Process Improvements**
- **Skilled in creating interactive Data Visualizations using Advanced Excel and Python, enabling Informed Decision-Making**
- Experienced in collaborating with **Cross-Functional Teams** to **Design**, **Develop**, and **Maintain Software Applications**
- **Adept at Troubleshooting Issues and Enhancing System Functionality**

Technical Skills

Programming Languages	:	**Python**, **Java**, HTML, C language
IDE	:	PyCharm, Visual Studio Code, Jupyter Notebook
Packages & Tools	:	Pandas, Matplotlib
Databases	:	**MySQL**
Operating System	:	Windows
Methodology	:	SDLC, Waterfall
Office Tools	:	Advanced Excel, MS-Office

Soft Skills

- Good Communication
- Problem Solving
- Analytical Thinking
- Time-Management
- Excellent Team Player

Certifications

Aug 2024 | Certified in **Python Advanced** | CISCO Networking Academy
May 2024 | Certified in **SQL** | Issued by Hacker Rank
Sep 2024 | Certified in **Java Basics** | Issued by Hacker Rank
May 2024 | Certified in **Python Basics** | Issued by Hacker Rank
Aug 2024 | **Business Analytics with Excel** | Issued by Simplilearn

Projects

OCR-Based Image Text-to-Speech Conversion
Developed an application that converts **text extracted from images and video frames** into speech, enhancing accessibility for visually impaired users. Utilized **Pytesseract** for OCR, **Pyttsx3** for text-to-speech conversion, and **OpenCV** for image processing. Implemented **RNN** and **LSTM** architectures for improved text recognition accuracy. Achieved 90% accuracy in text extraction and created a user-friendly **GUI**.

Grocery Store Management System
Developed a comprehensive **web application** to manage **grocery store products** and **orders**, utilizing **HTML, CSS, and JavaScript** for the **frontend**. Employed **Python** with the **Flask framework** for the **backend**, and **MySQL** for **database management**. Key features include modules for **displaying and managing product names** and **orders**, demonstrating strong technical skills in **web development**, **Python**, **Flask**, **HTML**, **CSS**, **JavaScript** and **database management**.

Employee Management System
Developed a **GUI-based application** to manage employee records and details within a company. The application was built using **Java** with **Swing** and **AWT** for the graphical user interface and **MySQL** for database management. Key features include modules for adding, updating, and managing employee data, showcasing strong technical skills in **Java**, **Swing**, **AWT**, and **MySQL**.

Hotel Booking Analysis
Collected a dataset for **hotel booking management** and transformed the data in the **Power Query editor**. Added two additional columns: one for the **type of customers** (couples, families, singles, friends) and another to indicate whether guests received their **desired rooms**. Created **tables** and prepared a **dashboard**, incorporating a **slicer** and adding **Key Performance Indicators (KPIs)** for enhanced data visualization and analysis.

Education

2024 | **B. Tech. (Computer Science Engineering and Data Science)** | TKR College of Engineering and Technology, Hyderabad
2020 | **Intermediate (M.P.C.)** | SR Junior College, Nizamabad
2018 | **SSC** | Narayana CO School, Hyderabad