

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, Java** 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**
- Experienced in leveraging **AWS services** like EC2, S3, and RDS for deploying, managing, and optimizing cloud-based applications.

Technical Skills

Programming Languages	:	Python, Java, HTML, C language
IDE	:	PyCharm, Visual Studio Code, Jupyter Notebook
Packages & Tools	:	Pandas, Matplotlib
Databases	:	MySQL
Cloud Technologies	:	AWS
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

Nov 2024 | **AWS Certified Cloud Practitioner** | Udemy
Aug 2024 | Certified in **Python Advanced** | CISCO Networking Academy
Oct 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, **Pytsx3** for text-to-speech conversion, and **OpenCV** for image processing. 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, Bootstrap** 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