Bhaswanth Kumar Bonthala

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Education

Vellore Institute of Technology	**Aug 2021 – Present**
Bachelor of Technology in Information Technology – CGPA: 8.81/10.0	*Vellore, Tamil Nadu*
Narayana Junior College	**Mar 2021**
Board of Intermediate Education, MPC – Percentage: 91.6%	*Hyderabad, Telangana*
Viswabharathi High School	**Mar 2019**
Board of Secondary Education – GPA: 10.0/10.0	*Gudivada, Andhra pradesh*

Technical Skills

Languages: Java, SQL, Python, C ,C++
Technologies: HTML, CSS, JavaScript, React, Bootstrap,Node.js, Express.js, MongoDB
Coursework: Data Structures and Algorithms, Operating System, Computer Networks, Artificial Intelligence, Machine Learning

Experience

OROM CORP 🔗	**Aug 2023 – Oct 2023**
Junior App Developer Intern	*Remote*

- Acquired skills in Flutter and app development through hands-on learning while supporting the team with basic development tasks.
- Skills: Flutter, Dart, UI design.

Projects

MediBook ⬡ 🔗 | *HTML, CSS, Bootstrap,ReactJS, Express, Node.js, MongoDB*

- Developed a doctor appointment booking website using the MERN stack, featuring a user-friendly interface for efficient scheduling and management.
- Enabled features for users to book appointments, view doctor profiles, and receive notifications, while providing admins with tools to manage user accounts and appointments, and oversee overall application management.

Plant Disease Detection Using CNN ⬡ 🔗 | *Python, TensorFlow, NumPy, Streamlit*

- Designed a Convolutional Neural Network (CNN) for early detection of plant diseases, achieving 93% accuracy in classifying healthy versus diseased crop leaves.
- Utilized a dataset of approximately 87,000 RGB images, categorized into 38 classes.
- Organized the dataset into training, validation, and test sets with an 70/15/15 ratio for evaluation, ensuring effective model training and reliable performance assessment.

Agentic RAG Chatbot ⬡ | *Python, CrewAI, Streamlit, Qdrant Cloud, SerperDevTool, Gemini, Hugging Face*

- Developed an Agentic RAG chatbot using CrewAI with a Synthesizer Agent and Retriever Agent for task execution.
- Implemented PDF document search and web search using SerperDevTool, with Qdrant Cloud as the vector database for efficient storage and retrieval and Built an interactive Streamlit UI allowing users to chat with bot.

Car Rental Management Database System ⬡ | *SQL, Triggers, Stored Procedures, Database Design*

- Designed and implemented a relational database to manage car rentals, customer data, and transactions, ensuring data consistency and efficient storage.
- Developed triggers to automate billing, reducing manual intervention, and created SQL queries to calculate late fee and apply discounts dynamically.

Additional Information

Certifications: AWS Cloud Practitioner 🔗 **| Microsoft Azure Administrator** 🔗

Clubs: Club Member in Telugu Sahiti club and Photography club

Languages: English, Hindi, Telugu

Freelancing: Advanced Math Solver at Chegg 🔗

Sports Engagements: Badminton, Cricket