

BHASWANTH KUMAR BONTHALA

+91 9988556362 bhaswanth67@gmail.com linkedin.com/in/bhaswanthkumar github.com/Bhaswanth67
bhaswanth.netlify.app

Education

Vellore Institute of Technology

Bachelor of Technology in Information Technology – CGPA: 8.81/10.0

Aug 2021 – Present

Vellore, Tamil Nadu

Narayana Junior College

Board of Intermediate Education, MPC – Percentage: 91.6%

Mar 2021

Hyderabad, Telangana

Viswabharathi High School

Board of Secondary Education – GPA: 10.0/10.0

Mar 2019

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, Cloud Computing

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 | MERN Stack (React, Node.js, Express, MongoDB)

- Built a full-stack doctor appointment system using React for the frontend and Node.js/Express/MongoDB for the backend API.
- Implemented secure patient registration utilizing Bcrypt for robust password hashing, and handled login authentication through JWT token generation and verification.
- Created an admin dashboard with CRUD capabilities for managing application data (users, doctors, appointments) and a workflow for vetting new doctor registrations.

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.

FinBOT: Agentic RAG Chatbot | Python, CrewAI, Streamlit, Qdrant Cloud, SerperDevTool, Gemini, HuggingFace

- Built an Agentic RAG chatbot (CrewAI) with Synthesizer/Retriever agents executing tasks via LLM, PDF querying, and live financial data access.
- Enabled PDF semantic search by indexing content using Qdrant Cloud (vector DB), Sentence Transformers (embeddings), and MarkItDown (extraction) and also Integrated real-time financial APIs (Yahoo Finance, NewsAPI, CoinGecko) and SerperDevTool web search for up-to-date financial responses.
- Enabled users through the Streamlit UI to activate Agent tasked with generating downloadable research proposals by analyzing stock data, product launches, and market trends, outputting results as PDF.

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