

BHASWANTH KUMAR BONTHALA

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Education

Vellore Institute of Technology

Bachelor of Technology in Information Technology – CGPA: 8.74/10.0

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: Python, Java, C, SQL

Technologies: HTML, CSS, JavaScript, ReactJS, Node.js, Express.js, MongoDB

Tools: GitHub, VS Code, Android Studio

Coursework: Data Structures and Algorithms, Operating System, Cybersecurity, Database Systems, 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, Keras, NumPy, Streamlit

- Designed a Convolutional Neural Network (CNN) for early detection of plant diseases, achieving 98% 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 80/20 ratio for evaluation, ensuring effective model training and reliable performance assessment.

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.

Fire Extinguisher Robot | Arduino UNO, L298N Motor, Fire Detection Sensors, Water Pump, Bluetooth Module

- Developed an Arduino UNO-based firefighter robot featuring remote control, fire detection, alarm, and water delivery.
- Integrated remote control to streamline operations and reduce the need for manual intervention, while improving overall safety during emergencies.

Additional Information

Certifications: AWS Cloud Practitioner | Microsoft Azure Administrator

Languages: English, Hindi, Telugu

Freelancing: Advanced Math Solver at Chegg

Sports Engagements: Badminton, Cricket