

Bhupalam Lakshmi Rohit

✉ bhuprohith@gmail.com — 📞 6381854027

🌐 LinkedIn: Rohit Bhupalam — 🐙 GitHub: Rohitrebel — 📄 Slideshare: 524RohitBhupalam —
Hackster.io: Rohit Bhupalam — 🏠 HackerRank: bhuprohith

G-4, Lakshmi Enclave, Adarsh Avenues, near HP petrol pump, Nizampet, Hyderabad-500090

Objective:

An aspiring Software Engineer with a passion for technology and a knack for problem solving. Skilled in Java, Python, and Frontend Web Technologies, I am dedicated to growing in the field of software development. With experience in responsive web design, MERN stack development, and interest in innovative technologies such as AI and IoT, I am looking for opportunities to apply my knowledge in impactful projects.

Education:

- **B.Tech in Computer Science and Engineering**
Guru Nanak Institute of Technology, 2021–2025
GPA: 8.5
- **XII – Narayana Junior College, 2021**
Result: 96%
- **X – Thiruthangal Nadar Vidhyalaya, 2018-19**
Result: 94.5%

Projects and Certifications:

- **Responsive Website Development**
Nxtwave — Built many static and responsive websites using HTML/CSS with Flexbox and Bootstrap.
 - Developed highly responsive web pages optimized for both desktop and mobile viewing using Flexbox and Bootstrap.
 - Incorporated CSS animations and design principles to enhance user experience.
- **To-Do List Web Application**
[GitHub] [Live Demo]
May 2023
Technologies used: HTML, CSS, JavaScript, Bootstrap, FontAwesome, LocalStorage - Developed an interactive To-do web application that helps the individuals to list their daily tasks with completed and delete tasks functionality; changes will be persisted even after the session.
 - Utilized Bootstrap for layout design and styling, ensuring a mobile-friendly interface.
 - Implemented JavaScript functionality for adding, editing, deleting, and marking tasks as complete.
 - Leveraged LocalStorage to persist user tasks across sessions without a database.
- **VoiceGPT2 — AI-Powered Voice Assistant**
[GitHub] [Live Demo]
January 2025
Technologies used: Python, Flask, SpeechRecognition, gTTS, PyDub, HTML/CSS, OpenRouter, Mistral AI - Developed an interactive voice chatbot that captures user speech, processes it through advanced AI models, and responds audibly.
 - Built a Flask-based web application that captures microphone input and transcribes speech to text using the SpeechRecognition library.

- Integrated OpenRouter to interface with Mistral AI’s large language models, enabling dynamic and context-aware conversational responses.
 - Converted AI-generated text responses back to speech using Google Text-to-Speech (gTTS) and played them through the web interface.
 - Built a minimal HTML/CSS frontend featuring microphone controls and real-time response playback.
- **Automatic Weather-Based Wallpaper Change System**
[GitHub]
Technologies used: Python, Bolt IoT, LM35, LDR, Make (Integromat), Mailgun API, Pixabay API - Built an IoT-based system that dynamically changes desktop wallpaper based on real-time weather data acquired from sensors.
 - Interfaced LM35 temperature sensor and LDR with the Bolt IoT module for real-time environmental data acquisition.
 - Developed Python scripts to process sensor data, detect anomalies using Z-score, and determine ambient weather conditions.
 - Integrated Make (Integromat) to automate fetching weather-themed wallpapers from Pixabay and update them on the desktop.
 - Configured optional email notifications using Mailgun to send weather updates and image links directly to the user.
 - **Food Order Project using MERN Stack**
Webstack Academy — May 2024
Developed full-stack application using the MERN stack(Food Order Project :- OrderIt).
 - Built an Food Ordering platform with integrated payment gateways (Stripe).
 - Made Effective use of React components, MongoDB Database, ExpressJS and used PostmanAPI for seamless communication.
 - **Find the Countries Population Web Application**
[GitHub] [Live Demo]
July 2023
Technologies used: HTML, CSS, JavaScript, Bootstrap, FontAwesome, and LocalStorage - Developed an interactive web application that displays country-specific population data.
 - Integrated Bootstrap for responsive design and dynamic DOM manipulation using JavaScript.
 - Utilized the Fetch API to retrieve and display data from a third-party countries API.
 - Implemented search functionality to filter countries dynamically based on user input.
 - **NetFlix — Netflix-Inspired Static Webpage**
[Live Demo]
Technologies used: HTML, CSS Flexbox, Bootstrap, CSS animations
 - Developed a single-page website emulating Netflix’s homepage layout and design aesthetics.
 - Implemented a structured layout using semantic HTML5 elements and CSS Flexbox for flexible and adaptive design.
 - Styled components to mirror Netflix’s branding, including navigation bar, hero section, and content thumbnails.
 - **IoT ML Projects**
Bolt IoT — August 2021
Created IoT projects like LED control and safety alert systems. Used JavaScript and Google library for data visualization.
 - Worked with microcontrollers and sensors for real-time data monitoring.

- Implemented anomaly detection and Prediction functionalities using machine learning algorithms.

Tech Stack:

- **Programming Languages:** Python, Java, JavaScript
- **Web Development:** HTML, CSS, Bootstrap, ReactJS, Flexbox, Django (basic)
- **Deployment tools:** AWS, Render
- **Database Management:** SQLite, MongoDB
- **DevOps Tools:** Git, Github Actions
- **Other Tools:** Cloudinary, Stripe, PostmanAPI, Mailgun
- **Other:** Data Visualization, Machine Learning, IoT

Trainings and Internships:

- **Salesforce Developer Virtual Internship**, April-June 2024
- **MERN Stack Web Development Internship**, Webstack Academy
- **IoT and Machine Learning**, Bolt IoT, August 2021

Languages:

- English, Hindi, Marathi, Tamil, Telugu

Achievements:

- **Delegate for Sweden at GNIMUN (Guru Nanak Institutions Model United Nations)**
Demonstrated research, public speaking, and diplomacy skills by representing Sweden in a simulated international summit.
- **Published IoT Project on Hackster: Automatic Weather-Based Wallpaper Change System**
Documented and published a complete DIY guide on Hackster.io demonstrating how to build a real-time weather-responsive wallpaper system using Bolt IoT, sensors, and Python automation.
- **Built an Immersive VR Chess Tournament Environment using Frame VR**
Created a virtual world for hosting an immersive online chess tournament. Designed 3D models. The project was recorded and documented on YouTube.
- **Published a Presentation on the James Webb Space Telescope (JWST) on Slideshare**
Researched and created a comprehensive presentation on the history, scientific objectives, and technological advancements of the James Webb Space Telescope.
- **Participated in Robotics Competition as a part of Robotics Club GNIT (e-Yantra by IIT Bombay)**