

Bharadwaja Thota

Poughkeepsie, NY | (845) 656-9562 | bharadwajathotams@gmail.com | [linkedin.com/in/bharadwaja-thota](https://www.linkedin.com/in/bharadwaja-thota)

Professional Summary

Full-stack developer with hands-on experience in building secure applications and managing databases, supported by a strong foundation in computer science. Skilled in Java, Spring Boot, React, Node.js, and SQL/NoSQL databases. Proven ability to solve complex problems and adapt quickly to new technologies and challenges.

Skills

- **Programming Languages:** Java, Python, C, C++
- **Frontend Technologies:** React, HTML5, CSS3, JavaScript (ES6+)
- **Backend Technologies:** RESTful APIs, Java, Spring Boot, Node.js, Express
- **Database Management:** SQL (MySQL, PostgreSQL), NoSQL (MongoDB)
- **Version Control:** Git, GitHub
- **Core Strengths:** Data Structures, Algorithms, Problem-Solving, Adaptability, Time Management, Communication

Professional Experience

Intern | GMR Hyderabad International Airport Limited | Hyderabad

July 2019 - August 2019

- Provided support for IT systems, including kiosks, CCTV cameras, and network infrastructure, ensuring data integrity, system consistency, and secure backend connectivity for seamless front-end user interactions.

Technical Projects

TechTrack - Windows System Metrics Monitoring Application

January 2024 - May 2024

- Developed a robust backend architecture in Java with Spring Boot to enable real-time monitoring and collection of critical Windows system metrics, ensuring high responsiveness and seamless integration with front-end components. Utilized RESTful APIs for efficient data retrieval, facilitating easy data access and enhancing overall system interoperability.
- Executed complex SQL queries for organized and secure data storage, leveraging structured formats to ensure data accuracy and ease of future data manipulation. Integrated SQL databases with JDBC to establish reliable connections, contributing to optimized data management practices within the application.
- Employed PowerShell scripts to gather comprehensive system information directly from Windows environments, allowing for the streamlined extraction of system metrics like CPU, memory usage, and disk I/O.

TravelBuddy - Full-Stack Travel Website

July 2024 - October 2024

- Engineered a dynamic and responsive travel website using the full JavaScript stack, with React on the front-end for interactive user interfaces and Node.js with Express on the backend for efficient server-side processing. Implemented modular and reusable React components to streamline front-end development and improve code maintainability.
- Integrated static JSON and RESTful APIs for smooth data exchange between client and server, creating a scalable and flexible framework for managing diverse travel-related data. Enhanced user experience with seamless data flow, enabling interactive features like destination search, real-time content updates, and package filtering.

Cipher Chat: Secure Real-Time Messaging Application

November 2024

- Built a web-based chat application using React, Node.js, and WebSocket, featuring secure, real-time messaging with AES encryption for message content and RSA for key exchange, ensuring that only authorized users could access conversation data. Designed and implemented secure user authentication with hashed passwords.

Education

Master of Science in Computer Science
Marist College, Poughkeepsie, NY

January 2023 - Present

Bachelor of Technology in Information Technology
Jawaharlal Nehru Technological University, Kakinada, AP

June 2017 – June 2021

Certifications

- Google Cloud Architecting with Google Compute Engine Specialization | Coursera *December 2019*
- IBM Full Stack JavaScript Professional Certificate | Coursera *in progress*