

BHAVYA P R

Student Intern

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github.com/Bhavya-PR



SUMMARY

I am Bhavya P R, a third-year integrated M.Sc. Software Systems student at PSG College of Technology, with a strong foundation in Python, C++, Java, and full-stack web development. Passionate about building scalable and efficient software solutions, I have worked on innovative projects. My expertise spans data structures, database management, and machine learning, with hands-on experience in tools like React, Node.js, and SQL.

EDUCATION

MSc Software Systems

PSG College of Technology

2022 - Present Coimbatore

XII (Higher secondary, State board)

SRV Hi-Tech Matric. Hr. Sec School

Namakkal

X (SSLC, State board)

SRV Hi-Tech Matric. Hr. Sec School

Namakkal

PROJECTS

Locate Me

<https://github.com/Bhavya-PR/LocateMe>

A Raspberry Pi-based location predictor using Python and KNN.

- Estimated indoor positions by analyzing Wi-Fi signal strength (RSSI) data from fixed routers
- Enhanced location-based applications in complex environments

Echo chat

<https://github.com/Bhavya-PR/EchoChat>

A real-time chat application using MERN stack

- JWT for authentication, React content for online status management and instant messaging
- Implemented a secure and scalable backend with Node.js and Express

Inventory Trail

<https://github.com/Bhavya-PR/InventoryTrail>

A Python-based Machine learning system that analyzes stock trends using ant colony optimization algorithms.

- Optimizes stock patterns for accurate predictions by combining biological techniques with trend analysis

LuxeVisita

<https://github.com/Bhavya-PR/LuxeVisita>

A Python-powered web application for managing hotel operations

- Developed with SDLC principles, it demonstrates a structured approach to designing and implementing effective solutions.

KEY ACHIEVEMENTS



Academic Excellence and Olympiad Participation

Demonstrated fervent commitment to academic excellence through active participation in Science and Math Olympiads, alongside distinguished performance in the NTSE exam, reflecting both mastery of complex concepts and a fervor for intellectual challenges.

SKILLS

Languages

Python

C++

Java

SQL

JavaScript

PHP

Platform

Windows

Linux

Tools

Git

Figma

MATLAB

Frameworks

React.js

Node.js

Express.js

Databases

SQL

MongoDB

SQLite

LANGUAGES

English

Proficient



Tamil

Native



INTERESTS



Extracurricular Involvement

Active member of the Computational Sciences Association, the Cap and Nature Club at PSG College of Technology, and participated in the Decoration Team in college events.