

VALLAPURI JAGAPATHI

Bengaluru, Karnataka 560085

☎ +91 798 909 2641 ✉ jagapathivallapuri444@gmail.com [in linkedin.com/in/jagapathi-vallapuri](https://www.linkedin.com/in/jagapathi-vallapuri) github.com/Jagapathi-Vallapuri

Education

PES University

Bachelor of Technology in Computer Science and Engineering (AI/ML)

Sep. 2022 – Expected May 2026

RR Campus, Bengaluru, Karnataka

Relevant Coursework

- Data Structures and Algorithms
- Database Management System
- Object Oriented Programming in C++
- Operating Systems
- Design and Analysis of Algorithms
- Computer Networks

Projects

Music Player Website | *MERN Stack*

- Developed a full-stack music player website enabling user authentication, song uploads, and media playback.
- Designed and implemented RESTful APIs for user management, audio file handling, and metadata storage.
- Optimized performance by storing media files locally while managing user and song metadata in MongoDB.

Recommender System For Reddit Users | *Python, Cosine Similarity, Sampling*

- Developed a content-based filtering system to recommend similar posts based on subreddit and content.
- Sampled a dataset of 19.6 GB using stratified sampling to ensure comprehensive coverage of subreddits and correct post representation.
- Utilized cosine similarity to identify and recommend the most similar posts and subreddits.

Capstone Project Manager | *DBMS, SQL*

- Developed a database system to manage capstone projects, including student, faculty, and project records.
- Designed and implemented a relational database schema with tables for project tracking, user management, and evaluations.
- Optimized SQL queries for efficient data retrieval and ensured data integrity through normalization and constraints.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript

Technologies/Frameworks: Linux, Git, React, Node.js, MongoDB

Tools: Google Colab, VS Code, GitHub

Extracurricular

The Alcoding Club

Technical Member

October 2022 – Present

PES University

- Design and review problem statements and test cases for weekly competitive programming contests.
- Volunteered as a non-tech member for Terrathon 3.0