

# Dinesh T V

+91 98420 52589 - [Portfolio](#) - [dineshveluswamy@gmail.com](mailto:dineshveluswamy@gmail.com) - [LinkedIn/dineshveluswamy](#) - [GitHub/thatcatfromspace](#)

## EDUCATION

---

**PSG College of Technology**

*M.Sc Theoretical Computer Science CGPA: 8.35*

**Coimbatore, India**

*Aug. 2022 - Present*

## TECHNICAL SKILLS

---

**Programming Languages:** Python, TypeScript, C++

**Libraries and Tools:** Git, Jira, Obsidian

**Frameworks:** Next.js, Express.js

**Databases:** MySQL, PostgreSQL, MongoDB

## ACADEMIC PROJECTS

---

- **Mozart** An integrated music tracker and player built with Next.js, TailwindCSS and MariaDB.
  - Primarily built to track Spotify listening data in real time.
  - Created a full stack application using Next.js including a full-fledged API service.
  - Provides data such as top albums and artists for different intervals.
- **BloomSync** Command-line interface application built for file synchronization using UNIX systems.
  - Provides seamless file synchronization between two directories.
  - File verification is done using the bloom filter data structure - ensuring minimal computations and space requirements.
  - Synchronization is periodically done using a cron job.
- **Wizardo** Password manager written in C++ and .NET.
  - Provides a GUI for generating and retrieving passwords.
  - Passwords are encrypted using SHA-256 and stored locally in files.

## NON-ACADEMIC PROJECTS

---

- **ProLeap** Web application for mentor sessions and surveys, built with React.js and Django REST frameworks.
  - Created a web application to move mentor sessions from Google Forms to a website
  - Student activity is saved in real time thereby enabling sessions restores.
  - Activities can be monitored in real time using an admin view.
- **Pigeon and Dove** Discord bots assisting moderation and handling moderator emails.
  - Built comprehensive moderation solutions as Discord bots using Sapphire.js
  - Served under senior TypeScript developers to build functionalities to aid user and community management.
  - Hosted the bots on AWS Lightsail using Docker images, employing latest DevOps standards.

## EXTRACURRICULAR ACTIVITIES

---

- **Member**, Astronomy Club: August 2023 - present
- **Student Representative** August 2022 - May 2023: Represented my class in several class committee meetings.
- **Linux Enthusiast** and casual distro-hopper.