

**SHIVNARAN S**  
**22PD32**

Gender Male  
Date of Birth 2<sup>nd</sup> May 2004  
Languages known English, Tamil  
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**Address**  
17, Annamalaikottai, Ammankovil (Post), Sivagiri,  
Erode, Tamil Nadu – 638109.

**OBJECTIVE**

To obtain a position as an intern for a period of six months from May 2025 to November 2025.

**ACADEMIC QUALIFICATION**

Currently pursuing 3<sup>rd</sup> year of 5 year Integrated M.Sc. Data Science at the Department of Applied Mathematics and Computational Sciences at PSG College of Technology.

**SKILL SET**

Languages	C++, Python, SQL
Libraries and Framework	pandas, numpy and django
Platform and Tools	Windows, Visual Studio Code and Oracle

**AREAS OF INTEREST**

- Supervised and Unsupervised Learning
- Database Management System
- Data Structures and Algorithms
- Object Oriented Programming

**ACADEMIC RECORD**

- **M.Sc Data Science** 2022-2027  
PSG College of Technology, Coimbatore **8.56 CGPA**
- **XII (Higher secondary, CBSE)** 2022  
Sri Chaitanya Techno School, Coimbatore **92.6 %**
- **X (SSLC, CBSE)** 2020  
The B V B School, Erode **90.6 %**

**INDUSTRY BASED PROJECT EXPERIENCE**

- [Cloud Assert](#) | Data Analyst Intern (May 15, 2024 to June 17, 2024)  
Took up the position of a Data Analyst during the summer internship at Cloud Assert Technologies India Private Limited, Coimbatore. Utilized data from **Azure Kubernetes Service** and **MongoDB** to create batch task configurations and perform data aggregation and **Visualized Cloud Costs** using dashboards for **Cloud Cost Analysis**.

## NON-ACADEMIC PROJECTS

- [VOVA](#)  
Voice Over Vision Assistant for visually challenged, integrates **Whisper, LLaMA 3, Gemini** models from the **Groq** and **Google's Generative AI APIs** to process user queries in the form of voice commands and webcam-captured images and responds through voice.
- [Sovereign Strategies: Conquer the Board](#)  
Developed a console-based chess game in **C++** supporting two-player gameplay. The program implements core functionalities of chess such as piece movement, capturing, and checkmate detection.

## ACADEMIC PROJECTS

- [Cloud at AI sky](#)  
Cloud environment is modeled as a **Markov Decision Process** (MDP) to optimize Admission Control using **Dynamic Programming** (Bellman equation). Additionally, Load Balancing is performed using the **Greedy** approach for optimal resource utilization.
- [Golden Time Machine](#)  
This Time Learning Machine takes us from past and current gold prices to future gold prices via **ARIMA, LSTM** and **Prophet** models. Gold prices in Coimbatore from August 2021 to January 2025 were web-scraped for forecasting.
- [Discover and Disrupt Disease](#)  
Spatial, Temporal and Genetic data on Rabies are analyzed and visualized to study disease spread patterns using **Statistical** techniques and detect outbreak clusters through **Graph Theory** by leveraging the capabilities of **R** programming and the **VIMES** package.

## EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Capable **coder**, having secured prizes in **hackathons**.
- Active contributor to **Datathon, Thiran, DataQuest** (Data Science events).
- Participated in **coding events** conducted by CodingClub PSGCT.
- **Radio Jockey** at Radio Hub, PSG College of Technology hosting engaging live programs.
- **Compered** events with articulate and engaging hosting.
- Skilled **orator** with interactive and impressive presentation skills.
- Participated in **Chennai Model United Nations XIII** held at American International School Chennai, showcasing exceptional collaborative skills.

## DECLARATION

I, Shivnaran S, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Coimbatore

Date : 26/01/2025

(Shivnaran S)