

SHIVNARAN S

22PD32

Gender Male
Date of Birth 2nd May 2004
Languages known Tamil, English
Email 22pd32@psgtech.ac.in
Mobile +91-74187-68331
GitHub [Shivnaran S | GitHub](#)
LinkedIn [Shivnaran S | LinkedIn](#)



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 3rd year of 5 years Integrated M.Sc. Data Science at the Department of Applied Mathematics and Computational Sciences at PSG College of Technology.

SKILL SET

Languages	Python, C++, SQL
Libraries and Framework	pandas, numpy and Django, Django REST framework
Platform and Tools	Windows and VS Code, Oracle

AREAS OF INTEREST

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

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. **Visualized Cloud Costs** using dashboards for **Cloud Cost Analysis**.

NON-ACADEMIC PROJECTS

- [Dental Insurance Payer Processing System](#)
Developed **Django** models with **REST API** endpoints to normalize and deduplicate payer data, mapping payer details to payers and payers to payer groups from diverse insurance ERA sources. Created a web design using **HTML, CSS and JavaScript** for uploading multi-source data and visualizing hierarchical mappings between payer details, payers, and payer groups.
- [Book Management System](#)
Developed a simple Book Management System using **Django REST framework** with customized **JWT authentication** (access and refresh tokens) for secure user management. Implemented models for Users, Books, and Orders, enabling efficient management of book data and order processing via a **RESTful API**.
- [Sovereign Strategies: Conquer the Board](#)
Developed a console-based chess game in **C++** supporting two-player gameplay. The project implements core functionalities of chess such as piece movement, capturing, and checkmate detection.

ACADEMIC PROJECTS

- [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. Upon accessing the **Streamlit Cloud** deployment, users select an Indian city, triggering real-time data extraction via **Selenium** and **BeautifulSoup**, which dynamically updates an **SQLite** database. The data is then retrieved, processed, and analyzed to recommend a day for purchasing gold.
- [Cloud at AI sky](#)
This work implements a research paper that models the cloud environment as a **Markov Decision Process** (MDP) to optimize Admission Control using **Dynamic Programming** (Bellman equation). Additionally, Load Balancing is performed to enhance resource utilization efficiently.
- [Discover and Disrupt Disease](#)
Employed **probability** models and **statistical** analysis to define transmission thresholds for outbreak containment. Leveraged **graph theory** through **R** programming's **VIMES** package, based on a research paper, to visualize and analyze outbreak clusters and disease spread patterns of rabies.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Resourceful **coder** and **problem solver**, having secured **prizes** in hackathons.
- **Radio Jockey** at Radio Hub, PSGCT hosting engaging live programs.
- 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 : 01/04/2025

(Shivnaran S)