

PREMI JEEVARATHINAM

NUS Graduate Student | Former Software Engineer – Temenos

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PROFILE

Motivated NUS Master of Computing student with experience in agile product development for the banking sector. Skilled in data engineering and analytics with Python and SQL. Proficient in machine learning techniques and automated iOS app builds with Jenkins during a past work and internship. Currently interning in data analytics, focusing on data processing, analysis, and reporting using Python, R, Shiny Dashboards, and RPA with UiPath. **Seeking full-time data engineering and analytics roles starting October 2024.**

EDUCATION

MASTER OF COMPUTING – GENERAL TRACK

(JAN 2023 – NOV 2024)

National University of Singapore.

- **Course Modules** – Fundamentals of Data Analytics & AI, Data Mining, Big Data Systems for Data Science, Hands on with Applied Analytics, Software development & DSA (Python), Software Engineering on Application Architecture.

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION

(AUG 2016-AUG 2020)

Anna University- (PSG Institute of Technology and Applied Research), Tamil Nadu, India.

- **Course Modules** – Object Oriented Programming, Algorithms & Data Structures, Programming languages, Operating systems, Computer Networks.

TECHNICAL SKILLS

- **Programming Languages:** Python, R, C, CPP, JBase, SQL, PowerShell Scripting
- **Web Development:** HTML, CSS, JS, Java, React
- **Data Analysis:** MS Excel, PowerBI, Tableau, Airflow, MapReduce / Hadoop, Spark, Stream & Graph Processing,
- **Platforms:** Windows, Linux
- **Cloud-Based Tools:** GitHub, Bitbucket, AWS
- **Other Tools:** T24 Software, Eclipse, UiPath, Visual Studio Code, JIRA

WORK EXPERIENCE

 *Temenos India Private Limited, Chennai.*

(OCT 2020- OCT 2022)

POSITION – Software Engineer.

- Proficient in T24BD for automation development and issue analysis, with strong knowledge in **SQL, Powershell Scripting and CI/CD with Jenkins.**
- Developed end-to-end automation for product onboarding in the DevOps cycle, earning a **Team Award in 2021.**
- TCCP (Temenos Certified Consultant Program) - Certified employee.
- Experienced in creating and maintaining automation tools and writing test plans and cases.
- Knowledgeable in core T24 areas such as COB, Batch Processing, and Template Programming.
- Analysed and resolved issues in regression cycles, applying data analysis techniques to enhance process efficiency.
- Development and maintained of **SEAT infra** – Development and maintenance of testing tools of Temenos with **JBase.**

TECHNICAL CERTIFICATIONS

- **IBM DATA SCIENCE PROFESSIONAL CERTIFICATE** - *Coursera* (JUN 2024)
- **GOOGLE CLOUD PLATFORM FUNDAMENTALS** - *Pluralsight* (MAR 2022)
- **JAVA: JSON FUNDAMENTALS** - *Pluralsight* (MAY 2021)

INTERNSHIPS



Education board, Science Centre Singapore

(MAY 2024- SEP 2024)

POSITION – Data Analyst Intern

- Handling data pre-processing, analysis, and reporting for SCB EP's Online Booking System and Young Scientist Badge platform using R and Python.
- Developing interactive dashboards and enhancing programs/scripts for data analysis and reporting.
- Automating tasks with UiPath to ensure seamless monitoring of user activities.



Little Prince Game Studio, Singapore

(MAY 2023- JUN 2023)

POSITION – Programmer Intern

- Building an **iOS** application using Jenkins
- Automation of build process and uploading the data to **AWS** via **Jenkins** in iOS platform.
- Continuous Integration and Continuous Delivery (**CI/CD**) · **Bitbucket** · Jenkins.



Temenos India Private Limited, Chennai, India.

(JAN 2020- AUG 2020)

POSITION – Regression Engineering Intern

- **T24** – banking concepts and T24 software.
- Skilled in **JBase programming** and **Template programming**.
- **SEAT infra** – Development and maintenance of testing tools of Temenos.

PROJECTS

Course Module – Hands on with Applied Analytics

(JAN 2024 - APR 2024)

Project – Predicting Plant Diseases – Image Classification.

(We used a Kaggle dataset Image dataset containing different healthy and unhealthy crop)

- Implemented KNN, CNN, and SVM models, with CNN demonstrating superior performance in disease classification.
- Leveraged data augmentation techniques with CNN and SVM to enhance model robustness and accuracy.

Course Module – Knowledge Discovery & Data Mining

(AUG 2023 - NOV 2023)

Project – Predicting HDB Rental Rates: Finding the Right Flat.

(We used a Kaggle dataset to predict HDB flat rental rates in Singapore, offering insights for renters, landlords, and government stakeholders navigating the dynamic housing market)

- Employed XGBoost Regressor, achieving superior predictive capabilities for HDB rental rates.
- Utilized Hyperopt for effective hyperparameter tuning, enhancing model accuracy.
- Identified key features and leveraged external data, such as the Housing Consumer Price Index (CPI), to capture variations and provide valuable insights for stakeholders in navigating rising HDB rental prices.

Course Module – Fundamentals of Data Analytics

(JAN 2023 - APR 2023)

Project – Recommendation engine that generates the top universities for a student based on their unique profile.

(We used data from College Scorecard dataset, which contains a wide range of info on colleges and universities in US)

- Trained a regression model using university-specific data to predict earnings.
- Trained a second model using student-specific data to find the most similar colleges based on a student's profile.
- Combined the 2 models to predict earnings based on a student's profile and preferences.

JOURNAL PUBLICATION

HEALTH MONITORING OF SOLDIERS USING EFFICIENT MANET PROTOCOL

(DEC 2020)

Institute of Electrical and Electronics Engineers (IEEE), RAICS 2020, DOI- [10.1109/RAICS51191.2020.9332510](https://doi.org/10.1109/RAICS51191.2020.9332510)

- To design a health monitoring system that transmits the data such as health parameters of soldiers like temperature, pulse rate, blood oxygen level, and Electrocardiogram (ECG) over a Mobile Ad hoc Network (MANET) with an efficient routing protocol through nRF24L01 to the control room. The efficient protocol is identified by comparing the different MANET protocols simulated using OMNET++.