

**A REPORT**

**ON**

**DEVELOPMENT OF CUSTOMIZED FEATURES  
IN A CORE BANKING SYSTEM – PROFINCH  
SOLUTIONS**

*Submitted by,*

**Mr. POKALA SIVA MANI REDDY - 20211CEI0118**

*Under the guidance of,*

**Dr. JOE ARUN RAJA**

*in partial fulfillment for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER ENGINEERING (ARTIFICIAL INTELLIGENCE & MACHINE  
LEARNING)**

**At**



**PRESIDENCY UNIVERSITY**

**BENGALURU**

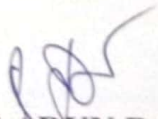
**MAY 2025**

# PRESIDENCY UNIVERSITY

## PRESIDENCY SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

### CERTIFICATE

This is to certify that the Internship report "**Development of Customized features in a Core Banking System at PROFINCH SOLUTIONS**" being submitted by "POKALA SIVA MANI REDDY" bearing roll number "20211CEI0118" in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Engineering (Artificial Intelligence & Machine Learning) is a bonafide work carried out under my supervision.

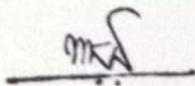


**Dr. JOE ARUN RAJA**

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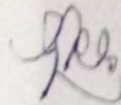


**Dr. MYDHILI NAIR**

Associate Dean

PSCS

Presidency University

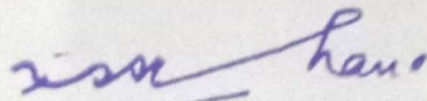


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Pro-Vice Chancellor - Engineering

Dean -PSCS / PSIS

Presidency University



# **PRESIDENCY UNIVERSITY**

## **PRESIDENCY SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

### **DECLARATION**

I hereby declare that the work, which is being presented in the report entitled “Development of Customized features in a Core Banking System at PROFINCH SOLUTIONS” in partial fulfillment for the award of Degree of Bachelor of Technology in Computer Engineering (Artificial Intelligence & Machine Learning), is a record of my own investigations carried under the guidance of Dr. Joe Arun Raja, Associate Professor, Presidency School of Computer Science and Engineering, Presidency University, Bengaluru.

I have not submitted the matter presented in this report anywhere for the award of any other Degree.

*P. Siva Mani Reddy*  
**POKALA SIVA MANI REDDY**

**20211CEI0118**

## ABSTRACT

As part of my final semester internship, I am currently serving as a **"Internship in Development of Customized features in a Core Banking System – PROFINCH SOLUTIONS"**, a fintech firm specializing in delivering digital transformation solutions to banks and financial institutions. This role has allowed me to work closely with CBS (Core Banking System), where I actively engage in backend development and customization of core banking modules using PL/SQL. I am also gaining exposure to payment product processors, contributing to the development of microservices using Java Spring Boot, which supports scalable and modular financial applications. In addition, I have had the opportunity to work with an extendibility toolkit, enhancing productivity and accelerating development cycles. This internship is enriching my understanding of enterprise banking systems, reinforcing best practices in software development, and sharpening my analytical and collaboration skills. It offers a practical learning environment where I interact with real-world banking systems and contribute meaningfully to complex, enterprise-level fintech projects.

Throughout the internship, I have been involved in various stages of the software development lifecycle, including requirement analysis, design, coding, deployment, and collaboration with cross-functional teams. I have worked on customizing and enhancing core modules within the CBS to meet specific client requirements, involving extensive use of PL/SQL procedures, triggers, and performance optimization techniques. On the payment product processor side, I have contributed to building RESTful APIs and reusable components using Java Spring Boot, aligning with microservice architecture principles. I have also participated in code reviews, sprint planning, and version control using Git. This hands-on experience has not only strengthened my technical proficiency but also provided insight into compliance standards, security protocols, and integration challenges in large-scale financial systems.