

PUNREACH RANY

+82 10 2273 8171 | punreachmaths@gmail.com

LinkedIn : www.linkedin.com/in/punreach-rany-developer/ | Github : www.github.com/punreachrany

Profile

Self-motivated and future-oriented software engineer with a demonstrated experience in C/C++, Python and Mobile Application development. Currently **holding F-2-7 (Long term residency visa) in South Korea** and working as a development researcher. Quick learner with strong interpersonal and communication skills. **Seeking for Software Engineer position.**

Education

Information Systems		Hanyang University, South Korea		03/2017 – 02/2021
Classes	Object-oriented Programming	Algorithm Analysis	C/C++ Programming	Software Engineering
	Artificial Intelligence and Application	Information Security	Introduction to Blockchain	Korean Language

Tool & Programming Skills

iOS (Swift)	Advanced	Django	Advanced
Android (Kotlin)	Intermediate	Docker/Kubernetes	Intermediate
Flutter & React Native	Advanced	Machine Learning	Intermediate

Online Courses

iOS 13 & Swift 5 - The Complete iOS App Development Bootcamp	Udemy	01/2020 – 05/2021
Flutter & Firebase - Build a Complete App for iOS & Android	Udemy	07/2020 – 02/2021
Machine Learning & Data Science with Python	Udemy	07/2019 – 12/2019

Work Experience

Development Researcher	TmaxEduAI, South Korea	05/2022 – Present
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TmaxEduAI is a platform company that innovates education and knowledge with IT technology.

- Developing Computer Algebra System for TMAX SuperApp
- Using C/C++ and Python integrated Cython framework in development
- Managing Computer Algebra System server using Django
- Monitoring server performance using Prometheus
- Managing server deployment using Docker and Kubernetes
- Developing algorithm to automatically generate and solve mathematic problems from K7 until K12

Freelancing Developer	CredIT, South Korea	01/2022 – 05/2022
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CredIT is an IT solution company in South Korea.

- Developed mobile applications using Flutter
- Implementing Android (Kotlin) Bridge and iOS (Swift) Bridge to use native components

- Utilized our clients' Rest API and private Native SDKs

Mobile App Developer

FNS Value, South Korea

03/2021 – 12/2021

FNS Value is a security authentication solutions company that provides easy authentication services for login and various security authentication areas

- Developed a security application using React Native
- Developed Swift iOS SDK and published in CocoaPod
- Migrated the security application from cross-platform system to native system (iOS)

Mobile App Intern Developer

Oysterable Company, South Korea

07/2020 – 11/2020

Oysterable provides a Smart IoT recycling solution for people living in South Korea.

- Developed a mobile application platform for RecycleX project using Flutter and Firebase
- Configured iOS and Android devices permission including location, camera, and photo gallery
- Implemented user authentication, one signal push notification and app localization
- Handled state management and real-time data listener using Provider

Projects

Susu Messenger Project

Personal Project, South Korea

11/2020 – 12/2020

Susu Messenger provides a mobile communication platform for foreigner to acquire about University in Korea.

- Developed a communication platform using Flutter and Firebase
- Implemented user authentication including Email and Password, Google and Facebook
- Handled state management and real time data listener using Provider
- Link:** <https://github.com/punreachrany/Susu-Messenger>

NotaChain D-App Project

Blockchain System Class, South Korea

09/2020 – 12/2020

NotaChain project is a blockchain implemented decentralized mobile app handling document notarization.

- Developed mobile decentralized application using Flutter, Firebase, Solidity, Metamask and Infura
- Result:** Successfully created the APK file for Android and deployed to Google Playstore
- Link:** <https://github.com/punreachrany/DApp-Notorization>

Awards

English Presentation Contest

Hanyang University, South Korea

2018

- Nominated to be the last 5 solo speaker and achieved the 3rd place in Hanyang English Speaking Contest
- Presented under the topic of "Fighting Cancer with Artificial Intelligence"
- Link:** www.youtube.com/watch?v=bV0_06Hddzg

Korean Government Scholarship Program

NIIED, South Korea

2016

- Recipient of Korean Government Scholarship Program
- Full Tuition for 8 Semester in Hanyang University + Korean Language Course

Mathematical Olympiad

Cambodia

2014

- 5th place in Cambodia Mathematical Olympiad

- 1st place in Phnom Penh City Mathematical Olympiad
- 1st place in Preah Sisowath High School Mathematical Olympiad

Extra-curricular Activities

HYCE International Student Ambassador	<i>Hanyang University, South Korea</i>	01/2019 – 12/2019
<ul style="list-style-type: none"> • Designed flyers and created social media contents including posts, pictures and videos for HISA events • Translated Document from Korean to English • Assisted international students of Hanyang University to adjust their university lives 		
Lee & Won Fellowship Program	<i>Lee & Won Association, South Korea</i>	01/2019 – 12/2019
<ul style="list-style-type: none"> • Acquired knowledge about multiculturalism and organization culture in South Korea • Volunteer to organized Flea Market event and create contents about the lives of foreigners living in Korea • <u>Received the Best Content Award</u> 		

Language Skills

English	Fluent	
<i>IELTS: 7.5 (2022)</i>		
Korean	Proficient	
<i>Topik: Level 6 (2023)</i>		
<i>Intensive Korean Language Course</i>	<i>Silla University, Busan, South Korea</i>	<i>03/2016 – 01/2017</i>
Khmer	Native	