

# MOHIT RAM KUMARAGURUBARAN

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## PROFESSIONAL EXPERIENCE

### KPMG India (Assurance and Consulting Services LLP)

Chennai, Tamil Nadu

Cyber Assurance Analyst (Intern)

01/2025 - Present

- Experience in SOC 1 and SOC 2 attestations for IT services and financial services companies.
- Testing and documentation of IT controls and business processes to ensure compliance with security standards.

### GoDB Tech Private Limited (Insillion)

Chennai, Tamil Nadu

Machine Learning Engineer (Intern)

07/2023 - 09/2023

- Evaluated cost-effective open source alternatives to proprietary insurance recommendation engines.
- Assessed open-source solutions based on their feasibility, performance and ease of implementation.

## EDUCATION

### SRM Institute of Science and Technology

Chennai, Tamil Nadu

Bachelor of Technology in Computer Science and Engineering with specialization in AI & ML

2021 - 2025

### The P.S.B.B. Millennium School, Gerugambakkam

Chennai, Tamil Nadu

Central Board of Secondary Education

2008 - 2021

## TECHNICAL SKILLS

Python

Linux & Shell Scripting

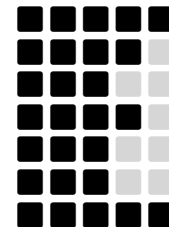
Databases (MySQL)

Amazon Web Services (AWS)

PowerBI

Tensorflow & PyTorch

Git & GitHub



## NON-PROFESSIONAL PROJECTS

- **Procedural Game Level Generation using CDCGAN** - Improving existing procedural game level generation methods using conditional deep convolutional generative adversarial (GAN) networks to generate levels for Super Mario Bros.
- **Deep Reinforcement Learning Game Agents for DOOM** - Built an improved asynchronous training method with Worker-Learner processes and reducing training time drastically for game agents trained in Gymnasium environments for the shooter game DOOM.
- **Artistic Neural Style Transfer for Creative Teams** - Developed a neural style transfer pipeline for artwork with emphasis on content preservation using ComfyUI and Stable Diffusion XL for processing artwork.
- **Perspective-agnostic Image Classifier using Superglue** - Developed system that can classify images taken in the same environment, even from different perspectives using Transformer-based local feature matching and Superglue for working with sparse features.
- **Flask-based Distributed Polling System** - Developed a backend webservice for synchronous polling from multiple end user devices using Flask and deployed system on 12+ individual devices and utilized for the student body council elections.

## PUBLICATIONS, CONFERENCES, CLUBS AND OTHER MISCELLANEOUS INFORMATION

- **Deep Reinforcement-based Learning Agents for Gameplay Strategies** - Recent Advancements in Communication, Computing and Artificial Intelligence (RACCAI-2024).
- **Student Coordinator, Zypher'24** – National level symposium for Artificial Intelligence & Machine Learning hosted by SRM IST Ramapuram.
- **Organizing Committee Lead, Millennium MUN'19** - Model United Nations hosted by PSBB Millennium Gbkm.
- **English** (Native fluency), **Japanese** (Professional Working Capacity), **Tamil** (Professional Working Capacity)