

Samruddhi Anil Dharankar

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EDUCATION

University of California Irvine, USA

Sep 2022 - Dec 2023

- **Program:** Master of Computer Science (**GPA: 3.86/4.00**)
- **Relevant Courses:** Operating Systems, Machine Learning, Data Structures, Algorithms, Big Data, Computer Architecture, Parallel Distributed Computing, Text Processing & Pattern Matching

MIT World Peace University, India

Jul 2017 - Oct 2021

- **Program:** Bachelor of Technology in Computer Science & Engineering (**GPA: 3.75/4.00 | First Class with Distinction**)
- **Relevant Courses:** Object Oriented Design (OOP), Databases, Networks, Web Development, Artificial Intelligence (AI)

TECHNICAL SKILLS

- **Programming languages:** C, C++, Python, Java
- **Web Technologies/Frameworks:** JavaScript, TypeScript, NodeJS, React, Django, HTML, CSS
- **Database:** Neo4j, Cassandra, PostgreSQL, MySQL, MongoDB, GraphQL
- **Big Data:** Databricks, Spark, Hadoop
- **Cloud Platforms:** AWS (IAM, EC2, Amazon SQS Messaging Queue)
- **Tools:** Docker, Kubernetes, MuleSoft Anypoint Studio, MuleSoft Anypoint Platform, Cypress, Mocha, Git

PROJECTS

Loons Tower Defense Game ([GitHub Repo](#))

- Developed a single-player tower defense game using **Next.js** with real-time **WebSocket** integration
- Implemented **interactive UI** with React components and Konva, including **drag-and-drop** turret placement for game visualization
- Managed **complex game state** and object interactions using **Zustand** state management library
- Designed varied enemy spawning mechanics and **level-based interactions** using JavaScript and **custom algorithms**

Spacify (Smart Space Management Application)

- Developed a real-time room reservation app, optimizing space utilization and reducing peak-period wait times using Spring Boot
- Created customizable space occupancy rules feature, enhancing user control and reservation flexibility
- **Improved UX** with hourly occupancy trends display and **WhatsApp notification** integration
- Implemented Java Persistence API, **streamlining database queries** and boosting code efficiency
- Led PostgreSQL to Supabase migration, **centralizing data management** and improving system performance

Cloud Forensics Case Management & Visualization Tool – Research Project ([Link](#)) ([GitHub Repo](#))

- Led development of Cloud Forensics Case Management & Visualization Tool, **reducing investigation time** and enhancing complex cloud activity analysis
- Engineered secure, user-friendly portal for streamlined forensic case management using Flask Python
- Implemented **interactive data visualization** component, providing investigators with actionable insights from cloud forensics data

WORK EXPERIENCE

Internet Brands, El Segundo, California

Mar 2024 - Present

Associate Technical Project Manager

- Led the migration of Shopify checkout extension across 3 portals, ensuring seamless integration and functionality
- Managed migration of [3SD](#) platform collaborating with teams using Agile practices, mitigating risks and ensuring timely delivery

Apisero Inc, India

Nov 2020 - Jun 2022

Software Engineer

- Architected a suite of **system-level REST APIs** across multiple software ecosystems, enhancing data security and efficiency, leading to a **25%** increase in operational efficiency
- Created automation solutions for mailing systems, reducing manual workload by 50%
- Modernized 3 legacy applications into **high-performance microservices** using Django, **enhancing scalability** and system **efficiency**
- Leveraged **Amazon SQS Messaging Queue** to manage data for over 2000 employees, **achieving zero data loss**

DeeDee Labs Pvt Ltd, India

Jul 2020 - Sep 2020

Software Developer Intern

- Designed Unity game to improve prosthetic arm usability, **boosting user comfort and dexterity**
- Developed a C# QR code generator reducing login time by **50%** and streamlining user data loading, **improving user experience**

AWARDS

- Won the Best Project Award at UCI's Capstone Showcase Event, selected out of 40+ projects for innovation and impact
- Achieved three awards at Apisero for contributions to API management and internal systems optimization