

# Siddhant Lad

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## Education

**Master of Science in Computer Science,**  
*University of California San Diego (UCSD)*  
present | San Diego, USA  
**Fall 2024 Student**

**Bachelor of Technology, NMIMS MPSTME**  
2021 – 2024 | Mumbai, India  
**GPA: 3.83/4**

## Skills

**Languages & Scripting** — Python, Java, C++, Kotlin, C, C#, JavaScript, Bash

**Cloud Platforms** — AWS (Amazon Web Services), GCP (Google Cloud Platform)

**Integrations** — Machine Learning Model Training, TensorFlow, PyTorch, NLTK, Scikit-learn

**Operating Systems & Version Control** — Windows, Linux, Git

**Development** — Mobile, Web

**Databases** — Firebase, Postgres, MySQL

**Automation** — Power Automate

## Organizations

**Google Developer Student Club MPSTME,**  
*Head of Android Department*

**Taqneeq Fest 12.0, Technical Lead**

## Awards

**Android Study Jams Facilitator, Google Developers**

**IoT App Competition Winner, MPSTME**

## Undergraduate Courses

**Machine Learning Optimization Algorithms**

**Natural Language Processing**

**Robotic Process Automation**

**Reinforcement Learning**

**Neural Networks & Deep Learning**

**Capstone Project**

## Professional Experience

**Ernst & Young, Summer Intern for Technology Consulting**  
Mumbai, India | Summer Internship 2022

*Bash | Python | Kali Linux | Java | SQL | JavaScript*  
Executed Red Teaming, performed VAPT on 12+ systems, conducted endpoint testing, spearheaded mobile app testing for 5+ applications, and developed scripts that reduced routine task time by 20%

**RB Electronics Pvt Ltd., Software Consultant**  
Pune, India | Sept 2022- Feb 2023

*AWS | Mobile Development | Java | C# | ASP.NET | Node.JS | React Native | Android Studio*  
Developed a monitoring mobile app used by 500+ users, and deployed an ASP.NET API with reverse proxy on AWS EC2, enhancing performance by 30%

**NTT Ltd., Intern for Product Engineering and Innovation**  
Pune, India | Summer Internship 2023

*Python | ManageEngine | FastAPI | Spring Boot*  
Created scripts to automate reporting for the client dashboard and integrated the ITSM tool

## Projects

### PaperWave

*React Native | ML Model Integration | AWS | Python | AdMob*  
an app that uses machine learning to convert academic papers into a mobile-friendly format, similar to blogs, enhancing readability and understanding

### MediaMinds

*Google Colaboratory | Generative AI | Python | Stable Diffusion | Retrieval Based Voice Conversion | Text-To-Video | Google Text-To-Speech*  
Developed a system converting text to video content, utilizing Stable Diffusion for image generation and integrating RVC voice model for narration.

### Safe Distancing

*ML Model Integration | Android Studio | Java | XML | Jsoup*  
an app that employs AI prediction models and scraped data to evaluate the crowd density of a chosen location, created during the Covid-19 pandemic to prioritize people's safety.

### Sensor'D

*Android | Canvas | Arduino | Bluetooth Module | Firebase*  
Designed and developed a retro-based arcade game that integrates IoT devices, which I built to act as controllers.

## Interests

Hiking, 3D Printing on Creality Ender 3, Game Development on Unity, 3D Modelling on Blender, Surfing, Robotics