

Siddhant Lad

✉ siddhantnlad@gmail.com ☎ (858)-518-3296 📍 San Diego, CA 🔗 LinkedIn.com/in/sidlad 🐙 GitHub.com/SiddhantL
🌐 siddhantlad.info

Education

University of California San Diego (UCSD), *Master of Science in Computer Science*
Academic Coursework: Principles of Software Engineering, Design & Analysis of Algorithm, Large Model Reasoning

present
San Diego, USA

NMIMS MPSTME, *Bachelor of Technology in Computer Engineering*
GPA: 3.83/4

2021 – 2024
Mumbai, India

Projects

PaperWave

React Native | AWS | Python | BART-LARGE-CNN | AdMob

In the process of implementing an app that employs BART-LARGE-CNN to convert academic papers into a mobile-friendly format, similar to blogs, enhancing readability and understanding.

MediaMinds

Google Colaboratory | Generative AI | Python | Retrieval Based Voice Conversion | Stable Diffusion | Text-To-Video | Google Text-To-Speech

Built a system converting text to video content, utilizing Stable Diffusion for image generation and integrating Retrieval Based Voice Conversion model for narration.

Safe Distancing

LSTM | DBSCAN | Android Studio | Java | XML | AWS | TensorFlow Lite

Devised a COVID-19 safety app using ML algorithms (DBSCAN, LSTM) and Google's popular times data to analyze real-time crowd density, facilitating social distancing.

Sensor'D

Android | Canvas | Arduino | Bluetooth Module | Firebase

Designed and developed a retro-based arcade game that integrates Arduino and other IoT devices, which I built to act as controllers.

Professional Experience

Ernst & Young, *Summer Intern for Technology Consulting*

Bash | Python | Kali Linux | Java | SQL | JavaScript

Executed Red Teaming, performed Vulnerability Assessment and Penetration Testing on 12+ systems, conducted endpoint testing, spearheaded mobile app testing for 5+ applications, and developed scripts that reduced routine task time by 20%.

Mumbai, India |
Summer Internship 2022

RB Electronics Pvt Ltd., *Software Consultant*

AWS | Mobile Development | Java | C# | ASP.NET | Node.JS | React Native | Android Studio

Led the development of an electric generator monitoring infrastructure and a mobile app used by 500+ users, and deployed an ASP.NET API with reverse proxy on AWS EC2, enhancing performance by 30%.

Pune, India | Sept 2022-
Feb 2023

NTT Ltd., *Intern for Product Engineering and Innovation*

Python | ManageEngine | FastAPI | Spring Boot

Created python scripts to automate reporting for the client dashboard and integrated the ManageEngine ITSM tool.

Pune, India |
Summer Internship 2023

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** — Bash, Python, Power Automate

Awards

Android Study Jams Facilitator, *Google Developers*

IoT App Competition Winner, *MPSTME*

Organizations

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

NMIMS Technical Fest 12.0, *Technical Lead*