

SIDDHARTH SINGH RANA

Bringing 3 months of hands-on experience with Meta, coupled with a solid foundation in computer science. Eager to leverage this practical experience and academic knowledge to excel as a Software Engineer.

✉ siddharthsinghrana11  NIXBLACK11  portfolio  in siddharthsinghrana11  Certificates

EDUCATION

Graphic Era Hill University - CGPA: (9.18/10)


Bachelor of Technology in Computer Science and Engineering

Dehradun, India

Aug. 2021 – May 2025

SOFTWARE ENGINEERING EXPERIENCE

1. Meta (Facebook), Major League Hacking

Software Engineering Intern 

Remote, New York, NY

September 2023 - December 2023

- Contributed to Meta's open-source project Laser and Sacremoses, utilized by numerous companies.
- Rectified issues within language lists, enhancing user accessibility and comprehension.
- Attained full parity between Perl and Python scripts in the latest Sacremoses release(0.1.0).
- Conducted user demonstrations showcasing the functionalities of the Laser project.

PROJECTS

1. The Feedback Loop | *React, Javascript, Node, Keras, Flask, Docker*



- Implemented Multer for secure video upload & JWT for authentication.
- Used ML to analyze video trends and compare audio/visual elements for insights.
- Delivered personalized video feedback on strengths & improvement areas.
- Deployed video analysis backend on AWS using Docker and login backend on Vercel.

2. Go Link Tree | *Golang, React, Typescript, AWS*



- Constructed fast Golang backend with JWT for secure login, surpassing Node.js.
- Implemented user-friendly link management system for easy storage and retrieval.
- Designed streamlined UI for better link access, enhancing user experience.

3. MERN Stack-based Chat Application | *React, Javascript, Node, WebSocket, AWS, Vercel*



- Developed a modern and interactive chat application using the MERN stack.
- Enabled seamless communication in real-time using websockets.
- Implemented secure login standards in Node.js to ensure user security.

4. Telegram Chat Bot for Bank Users | *Python, Keras, Docker, LASER*



- Facilitated 24/7 accessibility to users via Telegram platform.
- Enhanced communication with Multilingual Natural Language Processing.
- Enhanced security through Telegram IDs, with seamless integration facilitated by Docker.

5. Chrome Extension: BERT Text Summarization | *Javascript, Python, Django, BERT, Docker*



- Utilized Google BERT for real-time text summarization, enhancing user productivity.
- Integrated as a Chrome extension for easy and accessible text summarization.

SKILLS

Languages: Javascript, Golang, Typescript, Python, Bash, C/C++

Frameworks: Next.js, Express.js, Django, Tensorflow, Keras

Databases: MongoDB, MySQL, PostgreSQL, Oracle DB

Tools & Platforms: Git, Github, Microsoft Azure, Amazon AWS, Docker, Nginx

Other Skills: Linux, NLP, CI/CD, Web Sockets

ACHIEVEMENTS

Deep Learning-Based IoT Malware Detection Using CNN and Transfer Learning: A Comparative Study🔗

Led IoT malware research using image models like VGG16, achieving 95.6% accuracy and 85% precision. Implemented Keras pre-trained models for enhanced image classification. Proficient in IoT security, deep learning, Keras, and Python.

Problem-Solving Proficiency🔗

I've tackled over 500 questions on platforms like LeetCode and Geeks for Geeks, primarily using C++.

CERTIFICATES

• 100x Devs 0-100 Cohort

G

- JavaScript, async nature, Node.js
- MongoDB, PostgreSQL, Typescript
- Express.js, middleware, routing, serverless
- React, state management, Tailwind CSS
- Docker, AWS deployment, CI/CD

• Machine Learning, Data Science and Deep Learning with Python

🔗

- Python, Keras, Tensorflow
- Natural language Processing
- Matplotlib and Seaborn

• Git Essential Training: The Basics

in

- Version control with Git
- Branching and merging
- Collaborative workflows

• Learning Docker (2018)

in

- Containerization concepts
- Dockerfile creation
- Docker Compose for multi-container applications