

Sruthi Ponugoti

B.Tech - (2019-23)

Computer Science Engineering

Indian Institute Of Technology Indore

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. CSE	Indian Institute of Technology Indore	8.61	2019-23
Senior Secondary	TSBIE Board	97.6%	2017-19
Secondary	SSC Board	10.0	2017

EXPERIENCE

SDE, Goldman Sachs

Jul. 2023 - Present

Market Risk Applications, Risk division

- Worked on designing a central orchestration engine using in-house graph databases and GS proprietary language Slang to handle the calculation of risk metrics for > 4million trade positions daily.
- Contributed to a job-packing algorithm for market risk pricing jobs by leveraging historical data to predict time and memory requirements with optimal resource buckets, reducing total computation time by 25%
- Supported risk computation frameworks for US regulatory deliverables including FRTB Internal Model Approach (IMA) and risk theoretical P&L (RTPL)

Summer Analyst, Goldman Sachs

May. 2022 - July. 2022

Risk Cloud, Risk division

- Worked in a POC to move an entire pipeline for pricing Risk metrics for a huge scope of positions to JAVA from GS proprietary language Slang, experimented with microservice architecture and databases to make the pipeline more modular and robust.

PROJECTS

• Sign Language Detection

Feb. 2022 - April. 2022

Machine learning project

Github

- We have built an ML model that will take a video as input and give the word that the person is showing. It will be a useful model for deaf people to convey their thoughts to other people.
- Made using: Tensorflow, Keras, Python

• Social Media Web App

April. 2021 - May. 2021

Web Development

Github

- Build a full stack web application - A social media app to connect and follow people and also share, view, like, and comment on each other's posts
- Made using: React, Node.JS, MongoDB

• Platform to buy and sell:

Sep. 2020 - Nov. 2020

Web Development

Github

- Designed a website where the vendors can sell their products, and users can purchase them. It has three different interfaces, i.e., for users, vendors and admin
- Made using: Flask, HTML, CSS, Bootstrap, Javascript, MySQL

TECHNICAL SKILLS

- **Programming:** C/C++, Python(familiar)
- **Development:** HTML, CSS, JavaScript, Flask, Django, MERN Stack
- **Databases:** MySQL, MongoDB(familiar)
- **CS Subjects:** Data structures and Algorithms, OOPs concepts, Operating system
- **Deep learning:** Familiar with Tensorflow, Keras, Standard Deep learning models and concepts

POSITIONS OF RESPONSIBILITY

- **Mentorship Head**, Debating Society, IIT Indore

Aug. 2020 - Aug. 2021

- **Marketing Associate**, Fluxus, IIT Indore

Aug. 2019 - Mar. 2020

ACHIEVEMENTS

- **IIT JEE**, Secured an All India Rank of 2793 out of a million candidates

2019