

Joel Kiran Kumar

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WORK EXPERIENCE

Software Dev Engineer Intern

Amazon

05/2022 - 08/2022

Seattle, USA

Achievements/Tasks

- Designed and Developed an Event Driven System taking into consideration scalability, availability and resilience.
- Reduced the functional and operational cost by approximately 80 percent.
- The entire infrastructure and pipeline was built using CDK.

Software Engineer

Simpl

09/2020 - 07/2021

Bangalore, India

Achievements/Tasks

- Was a core member in the design and development of BNPL Product, which increased customer acquisition and retention by a significant portion.
- Designed and developed A/B testing system which was utilized by the product team.
- Developed multiple Onboarding Flows which increased customer acquisition.
- Worked on reducing the latency between micro service .
- Worked on designing REST APIs.
- Worked on refactoring packages to attain simplicity.

Software Engineer

Datasigns Technologies

09/2019 - 09/2020

Bangalore, India

Achievements/Tasks

- Built a custom credit report which comprises of features drawn out of ml models, CIBIL, Third Party APIs etc, which was utilized by credit managers.
- Built a recommendation and automation system which reduced the operation cost by 60 percent.
- Designed and developed in house penny drop system which completely eliminated third party API cost.
- Reduced the cost for bank statement parsing by approximately 50 percent .
- Built real time operations tracker for the management.

EDUCATION

Masters in Computer Science

Clemson University

08/2021 - 12/2022

Clemson, SC

Concentration

- Software Engineering
- Data Science

SKILLS

Python

Go

Java

C

Java script

SQL

MongoDB

DynamoDB

Redis

AWS

Spring

Micro Services

REST

Event Driven System

CDK

Data Visualization

CUDA

MPI

Linux

Git

Pandas

NumPy

PyTorch

TensorFlow

PERSONAL PROJECTS

Distributed Training of Neural Networks

- Training of neural networks on distributed systems in a data parallel approach to reduce the training time

Gender Visualization

- An exploratory data analysis was done on 30 years of gender data to visualize the female employment rate and their rank in IEEE.

Try to Fool AI

- Trying to test the resilience of CNN by feeding noisy images.

Hostel Management Portal

- Software System which provides functionality to reserve rooms, reserve food coupons and role based logins taking into consideration scalability and fault tolerance.

Real Time Covid-19 Tracker

- A Dashboard used to visualize the covid-19 Data by country, year, month etc

ACHIEVEMENTS

CNR Rao Merit Scholarship

For Being among the top performing students in undergrad

Honors Student

LANGUAGES

English

Full Professional Proficiency

Tamil

Native or Bilingual Proficiency

Kannada

Professional Working Proficiency

INTERESTS

Software Development

Problem Solving

Distributed and Parallel Computing