SAYAM KUMAR

Machine Learning Enthusiast

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EXPERIENCE

Natural Language Processing Intern
Snapper

Jan 2020 – Present Pune, India

- Working remotely as a team to build a text summarising app using NLP.
- Using Selenium for web scraping and building datasets.

Backend Developer
IOTA

Jun 2019 – Jul 2019 Sri City, India

- Collaborated with a team of 10 members to build Technical Event Website of our college.
- Designed backend interface using Django Rest as primary web framework.
- Integrated PayTM Merchant APIs for event registrations.

PROJECTS

Send To S3

Dec 2019

- Written a python script to send backup files to AWS S3 bucket using Boto3.
- Searched the files within a given time interval along with regex.
- Implemented logging to collect errors and sent results via email using smtplib module.

Machine Learning Projects

Aug 2019 – Present

- Trained Logistic Regression Classifier on Titanic Dataset. Data prepossessing using Pandas.
- Implemented a Deep Neural Network from scratch in Numpy for Cat Classification Problem. Used Adam optimiser and Xavier initialisation for better accuracy.

Movie Rating Web App

Apr 2019 – May 2019

- Developed a Movie Rating Web App using Django Rest Framework. Used Postman to test and document APIs.
- Implemented JWT based Authentication, custom permissions, browsable API, throttling and filtering for better performance.
- Deployed at `movierating.pythonanywhere.com`

VR Puzzle Game

Feb 2019 – Mar 2019

- Designed a Game in Unity Engine whose solutions are hidden in images.
- Implemented VR using Vuforia Augmented Reality Packages for Unity.
- Handled Authentication by Rest Client Packages, Backend Support through Firebase and Maintained top 5 leaderboard.

EDUCATION

Bachelors in Computer Science
Indian Institute of Information Technology
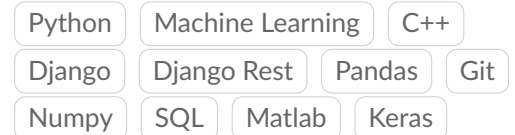
Present – May 2022 Sri City, India

Coursework:
- Data Structures and Algorithms
- Object Oriented Programming
- Discrete Mathematics
- Linear Algebra
- Database Management System
- Digital Logic Design

ACHIEVEMENTS

- Secured Silver Medal at International Mathematical Olympiad at District level.
- Winner of TechFest'17 and Inspire Science Quiz at Chandigarh University.

STRENGTHS

Python Machine Learning C++ Django Django Rest Pandas Git Numpy SQL Matlab Keras

LANGUAGES

English ●●●●●
Hindi ●●●●●
Punjabi ●●●●○

CERTIFICATIONS

- Deep Learning Specialization | Coursera
- Google AI | Explore ML: Beginner's Track
- IBM: What is Data Science?
- Machine Learning

EXTRA-CURRICULAR

Projects Team Member
IOTA, IIIT Sri City

Sept 2019 – Present