

SUYASH VARDHAN MATHUR

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EXPERIENCE

Google Summer of Code Developer

Zulip

May 2021 – Ongoing

Remote

- Enhancing the framework and integrating various tools into Zulip's OpenAPI framework written in Python.
- Revamped the UI of API Docs for better navigability and improved organization via menus and dropdowns using Markdown extensions and JavaScript.
- Performed various API migrations and refactoring.

Underegraduate Student Researcher

MT-NLP Lab

May 2021–Present

IIIT-H

Pursuing research in Information Retrieval and Extraction and Sentiment Analysis domains in MT-NLP lab under the guidance of Dr. Manish Shrivastava.

Flutter App Developer

Middleman

Jan 2021-April 2021

T-Hub, Hyderabad

- Built two applications for allowing users of first app to anonymously call experts on the second app in teams of four while following Agile Methodology for development.
- Designed the UI pages in Flutter for both the applications.
- Built core features of calling using AgoraSDK, notifications using FCM, payments using Razorpay and login and logs management via Firebase.

PROJECTS

- Game Development:** Built a Dx-Ball based terminal-game following OOP Concepts. *Technology Stack:* Python
- RankF:** Developed a mobile-friendly portal for giving practice online tests for college entrance-exams, that involves a rating-system to track one's progress and a friend-system to keep track of one's friend's progress. *Technology stack:* Vue, Django.
- Online Job Portal:** Built a Job Portal where Recruiters could publish job openings and Applicants could apply to these and manage their applications. *Technology Stack:* MongoDB, ExpressJS, ReactJS, NodeJS
- Hindi Coreference Resolution:** Worked on a Hybrid Coreference module that combined Rule-based and Decision Tree Classifier based approaches for Anaphora Resolution. *Technology Stack:* Scikit, NLTK
- Database Management System:** Built a Database Management System for Football Tournament Management. *Technology Stack:* MySQL, Python
- Recommender System:** Worked on the Backend system and it's integration with Frontend of a Recommender System Portal to be hosted on College Servers. *Technology Stack:* FastAPI, VueJS, MongoDB, AsyncIOMotor
- Hindi Arithmetic Problem Solver:** A Statistical and Rule-based model that computes Arithmetic Word Problems in Hindi and displays the answer. *Technology Stack:* Python, NLTK and ILTK NLP libraries

EDUCATION

International Institute of Information Technology, Hyderabad

B. Tech in Computer Science and MS in Computational Linguistics

2019 – 2024

CGPA: 9.61

City Montessori School Lucknow

Indian Certificate of Secondary Education(12th Standard)

2019

Percentage: 99.25%

St. Francis' College Lucknow

Indian Certificate of Secondary Education(10th Standard)

2017

Percentage: 95%

SKILLS

Programming Languages Java, C, C++, HTML, CSS, SQL, Python, JavaScript, Bash, Typescript, Flutter
Tools & Frameworks Android Studio, Django, Flask, ReactJS, FastAPI, Firebase
Machine Learning Python with Numpy and Pandas, MATLAB, Octave, Tensorflow
Misc Git, Linux, Azure

ACHIEVEMENTS

- Dean's List Award(2019-):** Monsoon 2019 and Spring 2020 Dean's List Awardee for excellence in academic performance(awarded to top 10% students).
- Uttar Pradesh Science Talent Search Examination(UPSTSE) Scholar(2017):** Cleared Scholarship exam organized by Govt. of Uttar Pradesh, among lakhs of student.
- Indian School Certificate Exams:** Secured National Rank 4 in ISC 12th standard board examinations.

COURSES

Machine Learning Data and Analysis
Natural Language Processing
Design and Analysis of Software Systems
Computational Linguistics
Data Structures and Algorithms