Yash **Mundra**

SOFTWARE ENGINEER · INTERN

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Education

Cornell University, College of Engineering   *Ithaca, New York*

B.S. IN COMPUTER SCIENCE   *Aug. 2017 - Exp. May. 2021*

- Machine Learning for Intelligent Systems, Introduction to Natural Language Processing, Machine Learning for Data Science, Language and Information, Operating Systems, Introduction to Analysis of Algorithms, Introduction to Computer Graphics, Computer System Organization and Programming, Data Structures and Functional Programming, Object-Oriented Programming and Data Structures

Work Experience

Cornell University   *Ithaca, NY*

TEACHING ASSISTANT   *September. 2020 - December. 2020*

- Will perform as a Teaching Assistant for the upcoming semester for CS 4740: Introduction to Natural Language Processing

Girnar Software   *Jaipur, India*

SOFTWARE DEVELOPMENT INTERN   *June. 2019 - July. 2019*

- Worked on their CarDekho.com portal, one of India's leading car search ventures with a team of 10+ members.
- Designed and implemented a publish-subscribe based message queuing system in order to help manage traffic between host connections and messaging bots used for marketing and 2 factor authentication.
- Designed a broadcasting system with low latency and non persistent messages to help connect data informing APIs and the core system.
- Contrasted the use of both RabbitMQ and Apache Kafka and made demos with both in order to determine the best platform.
- Ultimately, used RabbitMQ to implement the systems along with a Spring-AMQP based backend in order to maintain compatibility with their existing systems.

Educommerce Technologies   *Jaipur, India*

SOFTWARE DEVELOPMENT INTERN   *May. 2017 - Aug. 2017*

- Collaborated with a team of 10+ developers to improve the functionality of an education service product by focusing on the UI/UX on the administration dashboard.
- Designed and built a new front-end dashboard for the administration panel. Developed a dynamic design using AngularJS.
- Researched data management techniques to employ in their Android App, Myly.

Projects

Daily Brief   *Jaipur, India*

FULL-STACK DEVELOPER   *July. 2020*

- Daily Brief is a progressive web app utilizing Google's T5 Transformers to provide digestible summary of the top news stories of the day
- Utilized PyTorch to finetune T5-small on CNN/Daily Mail summarization Dataset.
- Deployed as a Docker container on AWS's ECS which runs twice a day to store the summarized news in a DynamoDB Database.
- Used AWS's Lambda and API Gateway to create a RESTful API to retrieve data from DynamoDB
- Created a front-end using React Native which fetched data through the API.
- Link: https://news-app-a8a95.web.app/

SIA (Swachh India App)   *Jaipur, India*

FULL-STACK DEVELOPER   *June, 2020*

- Conceptualized and created an Android app to raise awareness about COVID and give advice on prevention.
- Features included, location based reminders(regarding mask use), and time based reminders for pre-made and custom tips.
- Utilized React-Native for the front-end, Node-js for the back-end. Used Expo's libraries for native functionality.
- Supported both Hindi and English languages using the i18n-js library.
- App Link: https://play.google.com/store/apps/details?id=in.SIA

Ocaml Based Physics Simulator and Game   *Ithaca, NY*

FULL-STACK DEVELOPER   *April, 2019*

- A Terminal based game allowed the user to create and simulate the motions of celestial bodies, as well as navigate a spacecraft amongst them.
- Link: https://play.google.com/store/apps/details?id=in.SIA