

MANAS CHAKKA

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY - MAJOR GPA: 3.78

B.S. COMPUTER SCIENCE
Expected Graduation: **May 2021**
Concentrations: **Intelligence & Information Internetworks**

SKILLS

PROGRAMMING

JAVA | PYTHON | SQL | SWIFT | C
OBJECTIVE C | ASSEMBLY | BASH

DATA

SPARK | HADOOP | R | KERAS
PANDAS | SCI-KIT LEARN

FRAMEWORKS

FLASK | DJANGO | REACTJS

SERVICES / TOOLS

AWS | DOCKER | AZURE | GIT
RESTFUL SERVICES

RELEVANT COURSEWORK

ARTIFICIAL INTELLIGENCE
SYSTEM AND NETWORKS
INFORMATION SECURITY
INTERNET SYSTEMS AND SERVICES

CERTIFICATIONS

AWS SOLUTIONS ARCHITECT
MACHINE LEARNING SPECIALIZATION

LEADERSHIP

**ALPHA KAPPA PSI PROFESSIONAL
CO-ED BUSINESS FRATERNITY**

VP OF INTERNAL AFFAIRS

APR 2019 – APR 2020

Served on 8-member executive board to organize weekly chapter and campus initiatives across a 70+ brotherhood

PHILANTROPY DIRECTOR

DEC 2018 – APR 2019

Planned over 10 philanthropy events involving professional and business skills during the semester in local communities

WORK EXPERIENCE

CLOUDERA | INCOMING SOFTWARE ENGINEERING INTERN
APACHE HBASE AND PHOENIX TEAM

MAY 2020 – AUG 2020
SANTA CLARA, CA

KPMG US LLP | BIG DATA SOFTWARE ENGINEERING INTERN
PYTHON | SPARK | HADOOP | SQL | KERAS | BASH

JUN 2019 – AUG 2019
ATLANTA, GA

- Automated a parallel-processing pipeline to extract data from 1.5 million scanned jail documents to a SQL database. Built a CNN image classification model to sort scanned documents into 4 categories using Keras and Google Tesseract OCR.
- Created Regular Expression rules per category of documents to fix OCR errors and built rule-checking validation metrics. Constructed a scalable file list tracking database to eliminate possible data-loss throughout the entire data pipeline.

KALMED HEALTHCARE | SOFTWARE ENGINEERING INTERN
JAVA | PYTHON | AWS SAGEMAKER | REACTJS

AUG 2017 – AUG 2018
ATLANTA, GA

- Utilized hospital sample data to build regression models to compute patient disease probability with a 97% precision rate. Designed the infrastructure of a cross-platform mobile application to update users regarding funding & company initiatives.
- Developed a website that highlighted the start-up's product with animations that intrigued 5+ investors and raised \$21,000.

PROJECTS

SLAPCAST | CREATE-X CAPSTONE

SEPT 2019 – NOV 2019

PYTHON | FFMPEG | JAVA | ANDROID STUDIO

- Processed video clips and extracted QR codes with object detection from frames and video metadata to create a local video file hierarchy structure.
- Constructed mobile application that relayed QR Code information to and from a web application using REST APIs for scalability and portability.

DATA AND VISUAL ANALYTICS | AIESEC UGA

MAY 2019 – AUG 2019

PYTHON | SQL | R | FLASK | REACTJS

- Condensed and organized 10 years' worth of data on various marketing strategies on a web application for members. Analyzed the top marketing strategies and increased number of students sent abroad through AIESEC by more than 30%.
- Built an infrastructure to train future team members how to develop the data analytics division in the organization.

STAMPEDE | HOME DEPOT 2018 CODEATHLON TOP 6

OCT 2018

SWIFT | DJANGO | ARKIT

- Developed a mobile application that organized when and where campus organizations had public tabling events. Integrated Augmented Reality for users to dynamically see where and how far an event is located with their camera.
- Implemented a user-friendly UI/UX design and designed functional architecture for flexibility when adding more features.

RECEIPT SCRAPER

SEPT 2018

PYTHON | SELENIUM | JAVASCRIPT | AWS DYNAMODB | AWS ELASTIC BEANSTALK

- Automated receipt collection from Amazon.com to simplify invoice creation, used for expense reports and tax returns. Utilized AWS to build the application and exported collected data to a NoSQL database for horizontal scalability.
- Implemented a configuration feature for users to specify the frequency of autonomous data collection.