

KUNAL MEHROTRA

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EDUCATION

Northeastern University
Master of Science

Boston, USA
Expected May 2023

SRM Institute of Science and Technology
Bachelor of Technology

(86.72/100.00) Chennai, India
June 2020

EXPERIENCE

ING BANK, NEDERLAND - CONTRACT
Advanced-Ops Engineer

Amsterdam, Nederland
December 2020 - July 2021

- Engaged in Financial Services and Banking sector, accustomed with Agile and Scrum rituals.
- Got to work on Linux, Windows admin, Ansible, ION products - ANVIL and ARC and saved over 200 dev-hours.

TATA CONSULTANCY SERVICES
Systems Engineer

Mumbai, India
October 2020 - July 2021

- Managed and delivered project on web development 3 weeks earlier. Frameworks - Angular and java Spring boot.
- Delivered tasks on Unix, PL/SQL and Shell scripting based problems.

ACME IN TECH
Full Stack Engineer

Lucknow, India
April 2020 - September 2020

- Created a Marketplace E-commerce platform and increased revenue by 50%, Technologies utilized - Wordpress, Bootstrap, MySQL, PHP, Laravel, jQuery.
- Attained an increase in loading response time by 20%, from Amazon's EC2 instances, auto scaling and Load Balancers.

BARC-BRNS SRM ML LAB
Research Assistant

Chennai, India
January 2019 - May 2020

- Created X-ray baggage scanning application by deploying Convolutional Neural Network based binary classifier for colored baggage x-rays, with a F1 score of 0.97.
- Deployed these models as Flask app in PYNQ-Z1 and Nvidia Jetson Nano edge boards.

WIPRO LIMITED
Ai Intern

Gurgaon, India
June 2018 - July 2018

- Formulated and designed pipeline for email classifier system and voice recognition for it's employees. Targeted time saved by 40% as compared to manual filtration.
- Leveraged on Natural language processing services present in Microsoft's Azure machine learning services.

PROJECTS

AROGYA
<https://github.com/kunal1197/AROGYA-ANDROID>

- Implemented stack - KOTLIN, FLASK, CSS3, MONGODB and PYTHON.
- Built the fitness android app to provide information about calorific value of food from its image using Convolutional Neural Network with an accuracy of 88%.

DRISHTI
<https://github.com/kunal1197/breaking-bits>

- Implemented stack - PYTHON, PYTORCH, FLASK, ES6 and JQUERY.
- Trained model for early detection of malaria using Deep Neural Networks with an accuracy of 92%.

SRM BRAIN
<https://github.com/kunal1197/SRM-BRAIN>

- Implemented stack - PYTHON, FLASK, JQUERY, BOOTSTRAP, JAVASCRIPT.
- Designed structure of webapp providing production ready APIs for several Deep Learning tasks along with datasets and tools to clean data, thus helping students speedup lookup time by 25%.

SAVE.AI
<https://github.com/kunal1197/breaking-bits-mozohack>

- Implemented stack - PYTHON, PYTORCH, FLASK, VUE.JS and JAVASCRIPT.
- Developed backend for the Webapp allowing users to control cyber-bullying on social platforms Twitter and Facebook by 30%.

TECHNICAL SKILLSET

Programming Languages.

JAVA, PYTHON, PHP, C++, JAVASCRIPT, C, KOTLIN, FLUTTER.

Frameworks.

FLASK, KERAS, TENSORFLOW, PYTORCH, SPRING, REACT.JS, NODE.JS, DJANGO, MATERIALIZE, JQUERY, WORDPRESS.

Databases.

SQL, ORACLE SQL, MONGODB.