

Sakshamdeep Singh

Graduate Student, University at Buffalo - SUNY Buffalo

 Buffalo, NY  GitHub  LinkedIn  ssingh86@buffalo.edu  +1(716)303-9262

EXPERIENCE

WIPRO LIMITED | PROJECT ENGINEER

July 2019 - Aug 2022 | Bengaluru, India

- Worked on Cisco Kinetic Cities. An IoT smart cities project in which I work as Java back-end developer.
- Main focus was on modern application development including micro-services architecture, distributed computing and low latency messaging applications.
- Hands-on experience in working on technologies such as Java, Springboot, Python, PostgreSQL, Elasticsearch, Kafka, WSO2, Linux servers.

UST GLOBAL | SOFTWARE DEVELOPMENT INTERN

July 2018 - December 2018 | Trivandrum, India

- Successfully developed REST APIs using SpringBoot.
- As a part of the Sentiment Analysis Team, helped in data extraction from Facebook and Twitter, and learned to analyze sentiments using various approaches.

ULTRATECH LIMITED | RESEARCH INTERN

May 2017 - July 2017 | Reddipalayam, India

- Ran first-hand study of the industrial cement manufacturing plant and covered processes, applications and automation tools used in the end to end process.

PROJECTS

RESEARCH PAPER IMPLEMENTATION | PYTHON + PYTORCH

March 2019 - April 2019

- Implemented the following IEEE paper as part of the the NNFL course project. "Facial Expression Recognition Using Weighted Mixture Deep Neural Network Based on Double-Channel Facial Images"

CREATED FAKE IMAGES USING GAN'S | PYTHON + PYTORCH

July 2019

- Implemented and trained GAN's model on CIFAR-10 data set to create a set of fake images.

VEHICLE DETECTION WITH YOLOV2 | PYTHON + KERAS

Nov 2018

- Implemented a YOLO model for car detection using data set provided by drive.ai.

EMOJIFIER | PYTHON + TENSORFLOW

Oct 2018

- Built two emojiifiers that map sentences to appropriate emojis using word embedding and LSTM.

AWARDS & ACHIEVEMENTS

2020	Best Performer, Wipro	Awarded at the end of CKC 5.0 project cycle
2015	99.45 percentile	JEE Mains, among 1.3 million candidates
2014	Silver Medal	Mathematics Olympiad, School Rank, 2 nd

EDUCATION

UNIVERSITY AT BUFFALO

MS ARTIFICIAL INTELLIGENCE

Aug 2022 - Dec 2023 | Buffalo, NY

BITS PILANI

B.E.(HONS.) ELECTRONICS AND INSTRUMENTATION

Aug 2015 - May 2019 | Pilani, India

SKILLS

LANGUAGES

Java • Python • SQL • R • JS

DATABASES/PIPELINES

PostgreSQL • MongoDB • ElasticSearch • Apache Kafka • RabbitMQ

FRAMEWORKS/LIBRARIES

SpringBoot • PyTorch • Keras • TensorFlow • NumPy • Pandas • Scikit-Learn

COURSEWORK

COMPUTER SCIENCE

C Programming • Object Oriented Programming • Operating Systems

MATHEMATICS

Mathematics I, II, III • Probability and Statistics • Number Theory

ONLINE COURSES

Machine Learning • Deep Learning Specialization • The Analytics Edge

EXTRACURRICULAR

STUDENT MENTOR, NSS

NSS helps in providing hands-on experience to young students in delivering community service.