

Siddharth Kumar

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EDUCATION

SAN JOSE STATE UNIVERSITY

MASTERS IN COMPUTER SCIENCE

Expected May 2019 | San Jose, CA

Cum. GPA: 3.5 out of 4.0

IIST, SHIBPUR

BACHELORS IN COMPUTER SCIENCE AND TECHNOLOGY

April 2016 | Howrah, WB, India

Cum. GPA: 3.52 / 4.0

COURSEWORK

GRADUATE

CS267 Topics in Databases

CS218 Topics in Cloud Computing

CS252 Advanced Programming Language
Principles

UNDERGRADUATE

CS801 Artificial Intelligence

IT805/1 Computational Geometry

CS701 Software Engineering

CS704/6 Information Security

CS601 Database Management

CS603 Compiler Design

CS604 Computer Network and
Distributed Systems

CS 501 Design and Analysis of Algorithms

CS502 Operating Systems

TECHNICAL SKILLS

LANGUAGES

Java • C++ • Python • JavaScript
PHP • R • Haskell • HTML • CSS

FRAMEWORKS

Spring • Struts • Angular.js • Node.js
Django • Hadoop • Spark • Kafka

DATABASES

MySQL • PL/SQL • MongoDB

TOOLS

Android Studio • Toad • SAP BO

CLOUD

OpenStack • Google Cloud Platform

OTHERS

SciPy • Tensorflow • Matlab • Github
Latex

WORK EXPERIENCE

ACCENTURE | APPLICATION DEVELOPMENT ASSOCIATE

Aug 2016 – May 2017 | Bangalore, KA, India

Performed enhancements and bug fixes in the Cisco's Partner Program Platform (PPP) application suite. The front-end of the applications were written in **Java** on Apache **Struts**, **Angular.js** and **Spring** frameworks. Also, performed fixes in the application back-end written in **PL/SQL**. Used **Informatica** for ETL and **SAP BO** for BI and reporting

PROJECTS AND INTERNSHIP

LARGE SCALE DEEP NETWORKS ON THE CLOUD | GRADUATE COURSE PROJECT

Sept 2017 – Present | San Jose State University, CA

In this project, we investigate modeling deep neural networks on the cloud. We used the distributed configuration of TensorFlow in Python on Google Cloud Machine Learning Engine to train a convolutional neural network (CNN) using the ImageNet dataset. Moreover, we intend fine-tune our CNN for better classification accuracy.

DEGRADED DOCUMENT IMAGE ANALYSIS TOWARDS A MULTILINGUAL OCR | UNDERGRAD MAJOR PROJECT

Jul 2015 – Apr 2016 | IIST Shibpur, India

This project provides the details of the technique used to develop a Document Analysis System for Multilingual OCR. Worked on improving off line character recognition of handwritten text, for indic scripts like Devanagari, Bangala.

OPINION MINING AND ASPECT LEVEL SENTIMENT ANALYSIS OF HINDI LANGUAGE | UNDERGRAD RESEARCH INTERNSHIP

May 2015 – Jul 2016 | IIT Patna, India

Incorporated automatic feature selection for extraction and classification based on Particle Swarm Optimization (PSO). Used Conditional Random Field (CRF) and Support Vector Machine (SVM) for aspect term extraction and sentiment classification. Supervisor : Dr Asif Ekbal, Associate Professor, IIT Patna

PUBLICATION

FRACTAL IMAGE COMPRESSION USING UPPER BOUND ON SCALING PARAMETER | JOURNAL ARTICLE.

Elsevier Journal - Chaos, Solitons & Fractals, 2017, In press

Swalpa Kumar Ray, **Siddharth Kumar**, B. Chanda, B. B. Chaudhuri and S. Banerjee

CERTIFICATIONS

NEURAL NETWORKS AND DEEP LEARNING BY STANFORD UNIVERSITY ON COURSERA.

MACHINE LEARNING BY STANFORD UNIVERSITY ON COURSERA.

THE DATA SCIENTIST'S TOOLBOX BY JOHN HOPKINS UNIVERSITY ON COURSERA.

EXTRA-CURRICULARS

- Member of IDEAS Club at SJSU, September 2017 - Present.
- Contributed in the development of the IEST tech-fest website, INSTRUO15.
- Former member of the Robodarshan, the robotics club at IEST, Shibpur.