Siddharth Sankaran Dinesh

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EDUCATION

- **University of California, San Diego** — Sep 2017 – Jun 2019 (Expected)
  MS in Computer Science — *La Jolla, CA*

- **Birla Institute of Technology and Science** — Aug 2012 – Jul 2017
  BE in Computer Science and MSc in Economics; GPA: 8.93/10.0 — *Goa, India*

PROGRAMMING SKILLS

- **Languages**: **Python**, **Java**, C, MATLAB
- **Technologies**: Unix, Git, Apache Solr, Hadoop, AWS, MySQL

EXPERIENCE

- **Mr. DLib** — Aug 2016 – Jul 2017
  Research Assistant — *Tokyo, Japan and Dublin, Ireland*
  - **Recommendation API**: Implemented a RESTful web service with Java Jersey that caters to 200,000 daily research paper recommendation requests from researchers accessing digital libraries
  - **Keyphrase-based recommender system**: Shipped an NLP-based recommendation approach, making use of Apache Solr, that responds to 50% of all requests expanding the set of approaches on the platform
  - **Algorithm Randomization Engine**: Engineered a module to initialize and log algorithm parameters thus reducing the proportion of retried requests by 40%
  - **Click Logging**: Interfaced a proxy JavaScript client to the platform to track clicks on recommendations while staying within privacy safeguards as stipulated by EU's Data Protection Law
  - **Recommender Systems research**: Co-authored two peer-reviewed conference articles that analyze the data collected from A/B tests of recommendation approaches

- **Indian Institute of Technology - Madras** — May 2016 – Jul 2016
  Research Intern — *Chennai, India*
  - **Automated Text Summarization**: Experimented with various automated text summarization methods in Python to identify most scalable and efficient method in practice for diverse datasets

- **Synup Digital** — May 2015 – Jul 2015
  Software Development Intern — *Bangalore, India*
  - **Web-scraper Testing Framework**: Implemented a tool using Ruby on Rails and Selenium to notify developers about malfunctioning web-scraper modules, thus reducing workload on manual testers

PROJECTS

- **News Article and Social Media Post Integration** — Sep 2017 – Present
  - Currently building an integrated language-independent platform using Apache Solr and PostGres to identify social media posts related to news articles and vice versa

- **Fuzzy Neural Networks for Multi-Class Classification** — Jan 2016 – May 2016
  - Benchmarked a fuzzy neural network with multi-class evaluation metrics using Matlab to understand the weaknesses of commonly used evaluation metrics

- **Image to Poem Mapper** — Jan 2016 – May 2016
  - Made a Flask webapp that associates a classic poem to an image that the user provides to the webapp
  - Tracked user satisfaction for the suggestion by including a relevancy bar for each delivered poem

- **Tag Extraction from StackExchange Posts** — Sep 2015 – Nov 2015
  - Analyzed a StackExchange posts dataset to extract StackExchange tags, given the question, title, and text from various StackExchange sites using a Hadoop cluster