Nikhil Sulegaon

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EDUCATION

- **University of Colorado Boulder** — Boulder, CO
  Master of Science in *Computer Science*; **GPA: 3.83/4.0** *Aug 2017 – Present (Expected: May 2019)*
  Relevant courses: BigData, ML, NLP, Probabilistic Models for ML, Computer Vision, and, Object Oriented Design.

- **BMS College of Engineering** — Bangalore, India
  Bachelor of Engineering in *Information Science and Engineering*; **GPA: 8.92/10.0** *Sep 2011 – May 2015*

PROGRAMMING SKILLS

- **Languages**: Python, C#, Java, NodeJs, Scala, Ruby, C++, PHP, MySQL, MSSQL Server, and MongoDB.
- **Frameworks**: Tensorflow, Keras, ASP.NET, Flask, Ruby on Rails, SpringMVC, ReactJs with Redux.
- **Others**: Spark, Kafka, Redis, AWS(Lamba, EMR, EC2), Heroku, Qubole, CI, Docker.

EXPERIENCE

- **SDE Intern** (Data Engineering) - **Expedia Inc**, Chicago, USA May 2018 - Aug 2018
  - **RevPlus (Spark, Python, Node.Js)**: A B2B application aiding hoteliers manage their hotel pricing.
    * Productionalized a price recommendation ML algorithm using technologies like Qubole and Apache Spark.
    * Contributed to the ideation and restructuring of the existing data pipeline for performance.

- **Teaching Assistant** (S/W Dev Methods & Tools) - **University of Colorado Boulder** Sep 2017 - Present
  - Teaching 60 students, full stack development and deployment of applications using core Agile principles and TDD.
  - Training students on technologies like Shell Scripting, HTML/CSS, JS, Git, PostgreSQL, NodeJs, CI, and Heroku.

- **Application Developer** - **ThoughtWorks**, Bangalore, India Aug 2015 - Aug 2017
  - **Project Management Tool (C#, Silverlight, ASP.NET)**: A Multi-tenant SaaS application having about 2000 tenants and 2000-5000 users per tenant.
    * Spearheaded the re-architecture of the legacy application using Test Driven Development for scale.
    * Refactored the code base by introducing design patterns. Also increased the test coverage from 16% to 65%.
    * Optimized complex SQL queries to improve the performance of key features by around 80%.
  - **Food-Supplies Management (Python, Sklearn, Keras)**: A stock management tool to help the pantry of the office plan the supply of fruits, vegetables, and grocery in order to minimize wastage of food.
  - **Danglay (Ruby, Ruby on Rails)**: A scalable carpooling web application using Ruby on Rails to solve the problem of commute faced by numerous employees at ThoughtWorks.

PROJECTS

- **Opinion Mining Tweets (Spark, Kafka, Redis)**: Performed Aspect Extraction and Opinion mining for product reviews on stream of tweets. These opinions were visualized on a map based on the sentiment score. ⚲ Demo, GitHub.
- **Object 3D Pose Estimation (Python, Tensorflow, C#, Unity)**: Using a Convolutional Neural Network to predict an object's 3D pose to generate real and virtual object interactions in a Hololens. ⚲ Demo, Paper, GitHub.
- **Agile board (Java, SpringMVC)**: A web based Agile board developed for an OOP-design cum refactoring exercise. Devised a *custom design pattern* as part of the project implementation. ⚲ App, GitHub.
- **Navisys (Java, Android, Python, C++, OpenCV)**: An embedded system fitted into a jacket that provides turn-by-turn navigation with human and obstacle detection to the visually impaired. ⚲ Report, Synopsis.

ACHIEVEMENTS

- 'Outstanding Teaching Assistant' award for having the best Faculty Course Questionnaire(FCQ) scores in the Computer Science department of the University of Colorado Boulder for the academic year 2017-2018.
- 'Best Research Project' award at the IEEE International Advance Computing Conference 2015, held at B.M.S College of Engineering. The project also featured in the ⚲ newspaper for its novel approach of implementation.