Kiran B. Gadhave

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EDUCATION

- **The University of Utah** — Salt Lake City, UT
  Master of Science in Computer Science — *Aug. 2017 – Present*
  - **Courses**: Advanced Algorithms, Natural Language Processing, Machine Learning
- **University of Mumbai** — Mumbai, India
  Bachelor of Engineering in Mechanical Engineering; Percentage: 72% (Class Rank: 10/120) — *2011 – 2015*

SKILL

- **Languages**: Python, C#, C++, Java, JavaScript, Typescript

- **Technologies**: pandas, sklearn, .NET framework, SQL databases

EXPERIENCE

- **Cadsol Services** — Mumbai, India
  Software Engineer — *July 2015 - March 2017*
  - **Product Configurators**: Product Configurator is a specialized software used by manufacturing firms to create Computer Aided Drawings of models without requiring specialized knowledge of CAD Tools.
    * Developed product configurator and interfaced the tool with various CAD softwares like Solidworks, Autodesk Inventor, ProEngineer using their APIs.
    * Designed and developed user interfaces in WPF to minimize training required for development of complicated drawings.
  - **Inventory Master**: Led the development of:
    * Inventory management system for SMEs to manage their raw material and processed goods on production line.
    * Tools and database for very large data storage and retrieval over local MySQL server for 100 simultaneous users.
    * Fast composite text search tool to search through descriptions of all legacy and new items in inventory.
    * Tools to clean, process and migrate legacy data from excel files into the database.
    * Communication system for different departments to communicate regarding the status and requirement of items in inventory with access control for admins.
    * Feature to add custom formulas with dynamic retrieval of variables in the formula from database based on specific item selected.
  - **Browser based CAD tool**:
    * Developed a browser based 3D modeling tool for designing clean room layouts for hospitals using threeJS library.
    * Ability to export the layout to CAD software directly.

PROJECTS

- **Event Extraction**: Developed as project for Natural Language Processing course. Created a program to learn from text corpus and extract details of terrorist events from given news article.
- **Twitter Spambot Detection**: Developed as a project for Machine Learning course. Trained multiple classifiers over twitter data to identify spambots.

EXTRA-CURRICULAR ACTIVITES

- **Team Captain for undergraduate racing team**: Lead the undergraduate college team in designing and fabricating an cost-effective All-Terrain Vehicle using computer simulations to minimize errors during fabrication. This was done for a national level engineering competition organized by Society of Automobile Engineers(SAE).
- **Volunteer Teacher**: Taught high school physics, chemistry and mathematics to students who couldn't attend high school due to financial constraints. Many of these students went on to give the required board exams and get a high school degree.