Pranav Lodha

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Education

University of California, Santa Cruz **Sep 2014 – Aug 2018**

B.S. in Technology and Information Management, Minor in Economics

- Engineering Coursework: Database Systems, Data Mining, Algorithms and Abstract Data Types, Data Structures and Algorithms (C, Java), Computer Networks, Business Strategy and Information Systems, Systems Analysis and Design, Introduction to Python
- Economics Coursework: Economics of Accounting, Microeconomics, Macroeconomics, Personal and Business Tax, Managerial Accounting

Experience

Lucile Packard Children's Hospital at Stanford, Intern Finance and Accounting **Jun 2016 – Sep 2016**

- Analyzed and calculated future values of restricted assets and pledged donations (properties, stocks, and cash).
- Built a MS-Excel recording system to manage $100 million of assets, increasing efficiency and access to funds.
- Entered financial transactions into a PeopleSoft general ledger system.

Projects

Credit Default Risk **May 2018 – Present**

- Predicted the risk associated with a client's ability to pay back a loan based on insufficient credit history.
- Utilized Pandas, NumPy, Matplotlib, scikit-learn, and LightGBM to achieve an accuracy of 74%.
- Enhancing functionality through feature engineering (polynomial features, dropout, etc.) for increased accuracy.

Text.Book **Sep 2018 – Mar 2018**

- Led a team to build a business case (including financial modeling, development costs, projections, sales volume, sensitivity analysis, and market analysis) for a low cost e-reader.
- Designed and created go-to-market plan (such as target customers and channel strategy) for the e-reader.
- Planned for demand forecasts based on time-series analysis using Holt's and Winter's methods.

Stanford STL-10 Image Classification **Dec 2017 – Feb 2018**

- Classified images with a convolutional neural-net VGG-16 model utilizing TensorFlow and Keras.

Uber Rider and Driver Analysis **Apr 2017 – Jun 2017**

- Calculated the price of an Uber ride using linear regression with an 80% accuracy rate.
- Analyzed ads usage trends with Uber riders using K-means clustering.
- Determined driver retention rate based on driver rating with an 82% accuracy rate using Naïve Bayes' classifier.

Yelp Cuisine Classifier **Apr 2017 – Jun 2017**

- Surveyed Yelp user's 5-star ratings to determine a type of cuisine preference using K-mean clustering method.

Activities

Gesher Group, Vice President/Project Manager/Consultant **Mar 2016 – Feb 2018**

- Created a Slack bot using botkit.ai/JavaScript on Yarn and Firebase.
- Redesigned the Gesher Group website from ground up with HTML, CSS, and JavaScript.
- Incorporated a finance spreadsheet to track group budgets; managed G-suite and GitHub information systems.

UC Santa Cruz Economics of Accounting (Econ 10A), Teaching Practicum **Jan 2015 – Mar 2015**

- Prepared and led weekly discussions with over thirty students that reinforced class lectures.
- Responsible for grading student's exams and homework and holding midterm/final exam review sessions.

Skills

Programming Languages: Java, C, Python (Pandas, Keras, Tensorflow, NumPy, Matplotlib, Sklean, LightGBM), MIPS, HTML, CSS, JavaScript (HowdyAi Botkit, node.js, yarn), PostgreSQL

Tools: Weka, MS-Excel (Pivot Tables, Vlookup, Visual Basics, Solver, Macros, Data Validations), Git, Firebase, Adobe Photoshop, Slack, Trello, Calendly, G-suite