

Pranav Lodha

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Education

University of California, Santa Cruz

September 2014 – August 2018

B.S. in Technology and Information Management and 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
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Experience

Intern Finance and Accounting, Stanford Children's Health

June 2016 – September 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.
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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, Sklearn, and LightGBMs to achieve an accuracy of 74%.
- Currently feature engineering (polynomial features, dropout, etc.) to increase accuracy.

Mission Ridge Dentist

February 2018 – May 2018

- Rebuilt a responsive website from ground-up using HTML, CSS, and JavaScript.

Stanford STL-10 Image Classification

December 2017 – February 2018

- Sorted images using a convolutional neural-net VGG-16 Model with 60% accuracy using TensorFlow and Keras.

Uber Rider and Driver Analysis

April 2017 – June 2017

- Determined 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

April 2017 – June 2017

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

Vice President, Gesher Group Student Organization

March 2016 – February 2018

- Managed three teams and delegated tasks for web, software, and design projects.
 - Created a Slack bot ("Gesher-bot") that helped on-board new group members.
 - Redesign and rebuilt the Gesher Group website (www.geshergroup.org).
 - Built a web app ("Gesher Slug Life") that helped user's find food on campus based on their preferences.
- Managed G-suite, Slack, and Github information systems.
- Incorporated a finance spreadsheet to better keep track of group budget.

Teaching Practicum Economics of Accounting, UC Santa Cruz

January 2015 – March 2015

- Prepared and led weekly discussion sections with over thirty students that reinforced class lectures.
 - Responsible for grading student's exams and homework assignments.
 - Prepared and led midterm and final exam review sessions.
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Skills

Programming Languages: Java, C, Python (Pandas, Keras, Tensorflow, NumPy, Matplotlib, Sklearn, 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
