Pranav Lodha

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EDUCATION

MS, Software Engineering | San Jose State University   Aug 2019 – May 2021
- *Coursework:* Data Mining, Large Scale Analytics, Enterprise Software Platforms, Deep Learning, Machine Learning, Software Systems Engineering, Reinforcement Learning, Emerging Software Technologies
- "Using Deep Learning Time Series Forecasting to Predict Super-Spreads of COVID-19" [anticipated] | Advisor: Dr. Ali Arsanjani

BS, Technology & Information Management | University of California, Santa Cruz   Sep 2014 – Aug 2018
Minor, Economics
- *Coursework:* Database Systems, Data Mining, Algorithms & Abstract Data Types, Data Structures & Algorithms (C, Java), Computer Networks, Business Strategy & IS, Systems Analysis & Design, Economics of Acct., Micro/Macroeconomics, Personal & Business Tax, Managerial Acct.

PROFESSIONAL EXPERIENCE

Software Engineer/Technology Consultant | SAP | Palo Alto, CA   Jan 2019 – Present
- Java & UI5 developer working with other Software Engineers on BPM/Rules Engine product development, deployed on SAP Cloud Platform
- Automate SAP ERP Deployment & SAP HANA database error detection with python to the cloud
- Develop & manage strategic program "Project Thunder", which provides customers guidance to migrate to cloud based solutions
- Manage "10 Steps to SAP S/4HANA" strategic program within Americas for 30+ customers & globally for 1000+ SAP consultants

Associate Software Engineer | Infosys | Palo Alto, CA   Oct 2018 – Jan 2019
- Delivered scalable & high-performance software to customers & provided modern tools & feature enhancements for products
- Created web-based portal to efficiently manage day-to-day operations at a computer store to provide cost efficient solutions

Finance Intern | Stanford Children's Hospital | Menlo Park, CA   June 2016 – Sep 2016
- Analyzed & calculated future values of restricted assets & pledged donations (properties, stocks, cash)
- Designed MS-Excel recording system to manage $100 million of assets, resulting in increased efficiencies, easier access to funds & growth
- Entered financial transactions into a PeopleSoft general ledger system to provide more efficient data processing & simplicity

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PROJECTS

AtHome.ai   April 2020 – August 2020
- Creating peer-to-peer learning platform using AngularJS, Flask, MongoDB & integrated with Elasticsearch
- Automated software deployment with Shippable, & deployed to AWS to support products

Alternus-Vera Fake News Detection   Jan 2020 – May 2020
- Engineered model that utilized 14 features to accurately predict authenticity of an article
- Utilized Natural Language Processing (NLP) to determine article sentiment to enhance our model
- Determined authenticity of an article with 90% accuracy

Food Image Classification   Aug 2019 – Dec 2019
- Utilized Tensorflow, & Pytorch to develop multi-layer model which determines food item in the picture
- Developed web-app that displays ingredients, recipes, & calorie estimate of images presented

California Reservoir Outflow Prediction   Aug 2019 – Dec 2019
- Built model on top of Facebook Prophet to predict future water levels in reservoirs based on over 20 features
- Utilized Python to gather 16gb of data from various sources, including California Department of Water
- Developed a web-app to display the results of the model

Text.Book   Sep 2017 – June 2018
- Led team to build business case; financial modeling, development costs, sales projections, sensitivity/market analysis for low cost
- Designed & created go-to-market plan (such as target customers & channel strategy) for e-reader
- Planned for demand forecasts based on time-series analysis using Holt's & Winter's methods

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SKILLS & TOOLS: Data Science, Statistics, Solutions Architecture, Weka, Microsoft Office, Git, Firebase, Adobe Photoshop, Slack, Trello, Calendly, G-Suite, Salesforce, SAP ERP, AWS, GCP, Azure, Peoplesoft, Docker, Kubernetes, SAP HANA, Terraform, LetsEncrypt, Traefik, Jira, Flask, Spring framework, MySQL, Postgres, Mongo-DB, Sketch, SUSE, RedHat, UI5, Angular, React, JavaScript, python, C, Java, MIPS, HTML5, CSS, Jupyter Notebook, Google Colab, Scala