Pranav Lodha

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Experience

SAP, Technology Associate Consultant   Jan 2019 – Present
- Automate reoccurring SAP HANA database backups and moving backups to AWS, GCP, and Azure
- Building python scripts to quickly and efficiently analyze SAP HANA trace files.
- Using python to automate multiple work process to configure SAP ERP on SAP Cloud infrastructure.
- Working on Automating SAP S/4HANA Deployments to AWS, GCP, and Azure

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.

Education

San Jose State University   Aug 2019 – May 2021
M.S. in Software Engineering
- Coursework: Data Mining, Large Scale Analytics, Enterprise Software Platforms, Deep Learning, Machine Learning, Software Systems Engineering, Reinforcement Learning, Emerging Software Technologies

University of California, Santa Cruz   Sep 2014 – Aug 2018
B.S. in Technology and Information Management, Minor in Economics
- 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, Economics of Accounting, Microeconomics, Macroeconomics, Personal and Business Tax, Managerial Accounting

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 2017 – 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.

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 method.
- Determined driver retention rate based on driver rating with an 82% accuracy rate using Naïve Bayes' classifier.

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.

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, Salesforce, SAP ERP, AWS, GCP, Azure, Peoplesoft