

Abishek Varadarajan

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PROFESSIONAL EXPERIENCE

ePROMIS Solutions LLC, Project Lead - ERP Implementation, Dubai, UAE

(Jan 2014 – May 2017)

- Performed customized ERP Implementation (Full suite) for established clients in multiple industries
- Worked with modules including Finance and accounting, Procurement, Sales, HR & Payroll, Inventory, Asset Management, Property Management, Project Management, Production, Maintenance, and Poultry system
- Performed gap and requirement analysis for enhancing the business processes
- Discussed and prepared Solution Design Document (SDD)
- Developed and tested user interfaces
- Performed ETL operations onto SQL database
- Programmed database queries and procedures
- Generated advanced data reports using MS SQL Server
- Conducted end user training
- Managed project and tracked compliance with client requirements on daily basis
- Provided post-implementation support for the ERP system

University of Maryland Baltimore County, Web Technician

(Sept 2017 – Present)

- Managing website content and design optimization for the Department of Psychology
- Creating web forms for student profiling and evaluation
- Maintaining master data of student, faculty, and alumni information
- Retrieving student information from data warehouse and creating reports using Microsoft Excel

EDUCATION

University of Maryland Baltimore County, MD, USA

MS in Information Systems (Expected May 2019)

Image College of Arts Animation & Technology, Chennai, India

Post Graduation Diploma in Game Development (2013)

SRM University, Chennai, India

BS in Information Technology (2012)

SKILLS

Database Management: MS-SQL Server, Oracle DB, MySQL

Programming Languages: Python, R, C++, Java, HTML, CSS, XML, JSON, JavaScript, PHP, Visual Basic

Software skills: Tableau, WEKA, PowerBuilder 12.5, ArcGIS, Microsoft Office, GitHub, Visual Studio

Machine Learning: Naive Bayes, KNN, SVM, Regression

Operating Systems: Microsoft Windows, Mac OS, Linux

Enterprise Resource Planning (ERP) System: ePROMIS

SELECTED PROJECTS

Data Analysis on Medicaid Health Care dataset, UMBC

(Sept 2018 - Dec 2018)

- Used a custom Data Quality Toolkit and R to analyze and perform data cleaning steps on medical records
- Preprocessed and analysed data using R and Excel for prediction of patient length of stay at hospitals using various attributes like age, location, income, etc.
- Performed Model Selection methods like Forward and Backward Stepwise Selection, Ridge Regression and LASSO(Least Absolute Shrinkage and Selection Operator) to optimize variable selection for prediction
- Implemented several statistical learning methods like Linear Regression, Multiple Linear Regression, Logistic Regression, K-Nearest Neighbours, Linear Discriminant Analysis and Resampling, to create a prediction model

Data analysis for identification of Gerrymandering, UMBC

(Jan – Jun 2018)

- Collected election and census data from Census.gov and Kaggle
- Used ArcGIS to extract area type(Rural/Urban, Zip Code, Districts and States) from shapefiles
- Pre-processed and combined all available data to create a master dataset for analysis and prediction
- Used Python to visualize various factors of the dataset to find patterns of gerrymandering
- Used Python to build regression models to predict future occurrence of gerrymandering

Database design and development for an AirBNB-like home rental system, UMBC (Sep – Dec 2017)

- Utilized Oracle to design the architecture for user and property registration data
- Developed and implemented Oracle PL/SQL Procedures for features like user authentication, property creation and maintenance, search and filters, reservation, booking and cancellation, payment, invoice generation, review and reports
- Debugged and troubleshooted SQL code with breakpoints

Research Papers, UMBC (Sep – Dec 2017)

- Wrote a research paper for creating a decision-making model for Healthy Food/ Restaurant Recommendation System based on personalized dietary requirements such as health conditions (Diabetes, blood pressure, allergies, fitness) and preferences. The system approach was designed using AHP (Analytic Hierarchy Process - A multi-criteria analytical technique used to find the best solution from a given list of alternatives)
- Wrote a research paper on Internet of Things describing the architecture of a smart home network and the technologies required

RELEVANT COURSEWORK

Data Analytics, Data Mining, Distributed Systems, Advanced Database Projects, Decision Making Support Systems, Project and Systems Engineering Management, Systems Engineering Principles, System Analysis and Design, Foundation of Information Systems

CERTIFICATION

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| • Lean Six Sigma White Belt Certified | Oct 2018 |
| • Project Management Essentials Certified | Oct 2018 |
| • Tableau | Expected Apr 2019 |
| • Machine Learning A-Z™: Hands-On Python & R In Data Science | Expected May 2019 |