

Apurva Shrivastava

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EDUCATION

M.S Information Systems (GPA: 3.89)	Texas A&M University, College Station	May 2018
<ul style="list-style-type: none">• Teaching Assistant: MVC, C#, CSS, HTML, and Advanced Excel• Coursework: Adv. System Analysis & Design, IS Design and Development, Engineering Data Analysis, Statistics		
B.S Computer Science (GPA:3.74)	Jaypee Institute of Information and Technology, India	June 2013
<ul style="list-style-type: none">• Coursework: Data Structures, Algorithms, Software Engineering, OOP, Operating Systems		

TECHNICAL SKILLS

<ul style="list-style-type: none">• Languages: Java, C#, JavaScript, R, Python, SQL• Databases: SQL Server, MySQL, Oracle, Cassandra• Web Technologies: React, Redux, NodeJS, Webpack, Babel, JQuery, Bootstrap, RESTful APIs, CSS	<ul style="list-style-type: none">• Data/BI Technologies: SSIS, SSAS, SSRS, Tableau• Tools: Git, Bash, Visual Studio, Eclipse, Atom, JIRA, HPQC, TFS, Confluence, ServiceNow, Postman• Frameworks: MVC, Spring, ASP.NET, ADO.NET
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EXPERIENCE

Software Developer Intern	PricewaterhouseCoopers, Dallas	June 2017 – August 2017
<ul style="list-style-type: none">• Implemented invoice processing and reconciliation framework for vendors across tax vertical, facilitating daily reconciliation functionality to business• Created real-time reporting application monitoring vendor performance over key metrics using SSRS and C#• Spearheaded major UI revamps using Bootstrap, JQuery & cshtml which overhauled PwC's budgeting web app		
Software Engineer	Accenture Services Pvt.Ltd, India	August 2013 – July 2016
<ul style="list-style-type: none">• Designed and developed modules in MVC framework relegating legacy mainframe system, resulting in faster processing of downstream data and reduced operational cost for client• Ideated and implemented multithreading and Task Parallel Library, reducing daily batch processing time by 30%• Collaborated and created Automated Unit Test Service (AUTS) tool; bringing down testing effort by more than 20%• Automated manual reporting by creating daily reporting tool using C#, cutting daily time consumption by 80%• Diagnosed and tuned performance of application by optimizing more than 20 SQL queries, implementing indexing and views on financial data suite		

PROJECTS

Blogging application (2018) <ul style="list-style-type: none">• Created a personalized single page blogging application using Redux framework with basic blogging features and get post functionalities on API hosted on Heroku
Quora Bookmark pdf downloader (2018) <ul style="list-style-type: none">• Developed a script in Python using Selenium, pyperclip and pdfkit which converts and exports all the bookmarked answers on a profile into pdf
Weather Trend App (2017) <ul style="list-style-type: none">• Developed an application using React – Redux and RESTful APIs which displays comparative trends of temperature, pressure, and humidity over last week for selected cities via search functionality
Routing Algorithms for complex graphs (2017) <ul style="list-style-type: none">• Implemented routing algorithms to find maximum bandwidth path for complex graphs of 5000 nodes & degree 1000• Measured performance of Dijkstra's algorithm and Kruskal's algorithm using Java
Feature selection – Semiconductor manufacturing (2017) <ul style="list-style-type: none">• Evaluated SECOM (Semiconductor manufacturing process) data based on signals/variables collected from sensors and analyzed their efficiency against various quality metrics• Modeled Logistic regression model, LDA, QDA, KNN, CART, Random Forest, SVM
US Hospitals performance prediction (2017) <ul style="list-style-type: none">• Applied machine learning algorithms to find actionable insights for improvement in hospital efficiency and quality• Used PCA, LOOCV for model selection; applied clustering for segmenting and performed predictive modelling

CERTIFICATIONS & AWARDS

- **Microsoft Certified Software Developer (MCSD)** in Web applications; **Tableau 10 Essentials** – Lynda.com
- Awarded yearly scholarship from Mays Business School, Texas A&M University