Rajaram Pande

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EDUCATION

Syracuse University, Syracuse, New York   **August 2022- May 2024**
Master of Science, Computer Engineering
Relevant Courses: Advanced Data structures Algorithms, Database Management System, Social Media Data Mining, Object Oriented Design, Computer Architecture, System on Chip Design

Veermata Jijabai Technological Institute (VJTI), Mumbai, India   **July 2015 - April 2019**
Bachelor of Technology, Electronics Engineering
Relevant Courses: Neural Networks & Fuzzy Logic, Probability & Statistics, Computer Programming & Problem Solving.

PROFESSIONAL EXPERIENCE

CitiusTech Healthcare Technology Pvt. Ltd., Mumbai, India |_Software Developer_   **July 2019 – May 2022**

- Developed and delivered client requirements following Agile project development process to build modules on a client web -application that automates the subrogation process workflow, using AngularJS, NodeJS, HTML and CSS
- Designed and developed RESTful API in NodeJS for critical financial modules for claims settlements and retraction.
- Improved the efficiency of the legacy APIs to fetch data from the database and generate business analysis reports by 10%
- Integrated Pentaho, a business intelligence software to client's application for data analytics as well as developed dynamic stored procedures in MySQL to generate the desired report using Pentaho API.
- Awarded for taking full responsibility and delivering crucial modules on subrogation processing from scratch.

ACADEMIC PROJECTS

- **Implementation of Algorithms:** BFS Maze search, Dijkstra's, Sorting Algorithms, Kruskal's, Prim's, Floyd -Warshall
- **Implementation of Data structures:** Heaps, Binary Tree**,** Red-Black Tree, AVL Tree, B-Trees
- **Human Resources Database**: Transact SQL, Microsoft SQL Server Management Studio 18

This project involved the creation and deployment of a database to track each candidate's progress throughout the interview process, from the time they apply to the organization until they are hired. It involved creating tables, determining constraints, relationships between tables, creating an Entity Relationship Diagram, inserting data, using standard queries, normalizing the database, creating Views, using Predefined and User defined functions, Stored Procedures, Triggers, and finally, transactions.

- **Asset Allocation Web Application:** Hibernate, Spring MVC and MySQL

Designed and developed a web application to facilitate resource management using supervised access.

- **Portfolio Web Site:** JavaScript, HTML, CSS

Created a portfolio website using purely HTML, CSS and Vanilla JavaScript and tried to make it lightweight, responsive and elegant without using any frameworks and plugins.

SOFTWARE SKILLS

- Programming Languages: JavaScript, C++ STL, HTML, Java, Python
- Database: MySQL, Transact-SQL
- Cloud: Azure, Pentaho
- DevOps: Azure DevOps, CI/CD, GIT
- Tools: Visual Studio Code, Visual Studio, IntelliJ, Atom
- Frameworks: Angular JS, Sails MVC for NodeJS, Spring MVC for Java

EXTRA-CURRICULAR & LEADERSHIP ACTIVITIES

- Currently working as an Academic Coach for undergrad students at Syracuse university. Academic Coaching is part of an IRB-approved research study to help Syracuse University learn how best to help undergrad students study successfully.
- Supervisor at the Carrier Dome. Tasks include Inventory Management, Financial Recording and Reporting.
- Served as a member of the founding committee, Core member, VJTI IEEE, IEEE Student chapter of VJTI to help bootstrap projects, provide guidance and mentorship for projects and the electronics involved.