VISHAL RANJAN

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GitHub: http://www.github.com/vishal7313

Skills

Web Development Tools: HTML, CSS, JavaScript, PHP, Bootstrap, WordPress, and SQL
Software Languages: C++, Python, R
Visualization Tool: Tableau, Python (pandas' package)
IDE: Notepad++, Visual Studio Code, Brackets, Jupyter Notebooks, Code Blocks, Replit
Operating System: Windows, LINUX
Certificate: Data Science by Google

Education and Training

Bachelor of Science, **Computer Science**   **May 2019**
North Dakota State University — Fargo, ND
GPA: 3.90/4.0, Dean's List (Fall 2017, Spring 2018, Fall 2018, Spring 2019)

Experience

Software Developer   **July 2019 to Current**
Hansen Building LLC — *West Fargo, ND*
- Build reusable code and remove around 45% of redundant code from the company website.
- Performed migration of the system from PHP 5.6 to PHP 7.4 and updated WordPress.
- Enhanced Mobile interactivity, resulting in a 25% increase of mobile users on the website within a month.
- Designed the company API system and approximately 90% of webpage talks to the API.
- Implemented site backup system to protect the site from outages, data loss, and data corruption.
- Collaborated closely with owner and developers' team to add new features and remove bugs from the Instant Pricing Software.
- Developed a new website for the company owner. (https://southsidesanitation.com). Created employee dashboard for maintaining client's pickup route.
- Used Canvas.js library for designing graphs, showing information about the company sales summary status.
- Created an eCommerce system for floor plans. The client can purchase their floor plans online.
- Focused on developing a safe and secure payment portal for the eCommerce system. Checked for appropriate bank information and rejected payment if the client uses wrong credit card information.
- Developing relational database schema with proper primary, foreign key relationships and normal forms.
- Increased companies' rating/reviews by 30% on Google by adding Wombot services.
- Boost company's SEO score by 15% by adding link crawler plugin, which adds more internal links to the webpage.
- Created Facebook app to integrate leads from Facebook Ads into company's system which in result increased the company's sale by 7%-10%. Also used Google maps API to fetch county and state information by passing only the ZIP code.
- Developed Online Exam Management System where user can take multiple exams and check their results.
- Created an exam report for admin to view the users score.

Web Developer   **Dec 2018 to Mar 2019**
Valley IT Solutions — *Fargo, ND*
- Interacted with manager to identify the contents of the Website and made it a user interactive and user-friendly website.
- Created Login System for customers with password Validation using PHP.

Projects

Google Earth (Python and KML)
- A group project to identify the location of endangered species by using longitude and latitude of the region.
- The project also included the places in Brazil where deforestation is happening at an exponential rate.
- Icons to show the temperature of the world on a specific date.

Python Projects
- Designed blackjack game keeping in mind about all the rules. Currently game supports player vs computer mode but working on player vs player mode.
- Worked on designing Higher Lower Number game. The game compares two thing and ask user to guess if the one is higher or lower than the other. If the user is correct the game will continue and if the client guessed it wrong, the game would be over.

Data Analysis Projects (Kaggle, Python, Excel, SQL, R)
- Worked on different Kaggle and bigdata datasets to enhance my data analysis skills.
- Used Python's pandas' and R's tidy verse package for developing data visualization.