MANPREET KAUR

(SOFTWARE DEVELOPER)

CONTACT

- ✉ manpreetdhillon06@gmail.com
- ☎ 0452 300 237
- 🌐 Perth, WA
- in linkedin.com/in/manu-virk
- ○ github.com/manuvirk

PROFILE

Master of Computer Science graduate with experience of developing Software project in PHP, JavaScript and Laravel for end user at Sustech Engineering Pty. Ltd.

EDUCATION

2020
Edith Cowan University [Perth, WA]
Master of Computer Science

2013
Kurukshetra University [Haryana, INDIA]
Bachelor of Computer Science

MANAGEMENT SKILLS

- Agile Development
- Data Analysis
- Database design & Management
- Jira and Confluence Software
- Project and Team Management
- Trello, Git, Github, Excel, Powerpoint

TECHNICAL SKILLS

- MYSQL, JSON
- Data Visualization
- Python, SQL, C/ C++, Php, JavaScript, ruby, Laravel
- Visual Studio Code, Git, Github, Jupyter Notebook, VMware, ubuntu, Windows, MacOS
- Machine Learning

EXPERIENCE

December 2020 – Present
Software Developer, Sustech Engineering Pty Ltd | Perth

Hourglass (Database Software for Sustech Engineering):

- Hourglaz software is database software for the management of the engineering project and consists of management of timesheet, invoices, payroll, project allocations and so on.
- Developing new feature as per the user requirement.
- Maintaining and fixing the issue in the software by resolving the allocated Jira ticket
- Create unit and feature test cases for the processes.
- Using of ajax and jQuery for data transfer between frontend and backend.
- Use of PHP, HTML, CSS, JavaScript and Laravel.
- Work closely with other developers and project manager.

July 2019 – September 2019
Junior Data Scientist, CSBP | Wesfarmer

Trendline analysis project

- Created machine learning model to predict soil nutrient and integrate into iOS app for the end user.
- Use VB script macros in Excel sheet for missing data completion of 20 years data with 5 million rows.
- Performed EDA (explanatory data analysis) and PLS (Partial Least square) for data analysis to find the most correlated feature and trends for the soil nutrients.
- Used Mat plot lib, pandas and NumPy for data manipulation and visualization of trends that can be represent to stakeholder to make better decision.
- Presented the progress of the project and Application layout to the manager and other member in weekly progress meeting.
- Used Xgboost Gradient boosting algorithm for prediction.
- Used Sci kit-learn library for data pre-processing for machine learning
- It reduced the time and resources required for analyzing the soil and predicting the soil nutrient requirement.

Past Projects

- Developed Blog post website using php, HTML. JavaScript and CSS. Where people can publish post, count the number of views of the post. Count the comment. Also, create admin that can manage the post system. A complex website with many advance security

MANPREET KAUR

Active Membership
- ACS (Australian compruter Society)

Certification of Completion
- Udemy: PHP for beginners – Become a PHP Master
- Udemy: JavaScript - Basics to Advanced

features for admin and subscriber. Use of XAMPP environment for creation of MySQL database. Transferring the data into database. Demo

- Developed News Portal project in Laravel, HTML, JavaScript and CSS. News Portal have multiple language Options. It includes various feature such as User role management, multiple crud operation, toaster for message display, News and photo gallery. Dynamic News portal system also has admin panel to manage the post on the website. Use of Visual Studio Code editor, Xampp local server, OOP and PHP.

VOLUNTARY WORK

July 2020 – September 2020

Mentor
Assist graduates in learning.

- Teach the basic C and Python programming concept.
- Help in completing their assignment work.

July2019

ECU open Day: Coordinator
Duties:

- Ensure the smooth running of event.
- Guide the people to right direction and help them to reach their required department.
- Provide brochure, pamphlets and goody bags to provide more information about ECU.

REFEREES:

- Available on request