Dev Patel

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EDUCATION

Rutgers University, New Brunswick, NJ, USA   *May 2021*
Bachelor of Science in **Computer Science**

SKILLS

Technical: Java, C, C++, C#, Python, AWS, UI Enhancement, HTML, CSS, JavaScript, XML, Git, WordPress, MATLAB, Unix/Linux, Microsoft Office (Word, Suite, Access), Data Optimization, Statistical Data Analysis.
Databases: SQL server, MySQL, MongoDB.
Beginner - R, SAS, AngularJS, React, AJAX.

PROJECTS

Photos – Android Studio, Independent Project   *December 2020 – January 2021*
- Designed the application to import the photos from the gallery along with the functionalities to handle those photos using XML and Android Studio.
- Used Object-Oriented programming and Data Structures to handle various functionalities needed for the application.
- Stored the tags in way to efficiently utilize all the resources to display the results as needed.

Wumpus World, Artificial Intelligence   *September 2020 – October 2020*
- Used AI to implement the Wumpus World game and later added the fog of war game idea in it by using probability distribution of state variables and by calculating the good move to succeed.
- Used BFS search to find the shortest returning path and updated the code as needed to improve the efficiency.

Flights, A Travel Reservation Website, Rutgers University   *October 2019 – December 2019*
- Utilized HTML/CSS, Java, JavaScript and MySQL to create a website that allows users to view or make reservations for various flight schedules and store it within the database and also modify it when needed along with payment option.
- Hosted the website using AWS S3 bucket and used AWS RDS related functionalities to host databases and managed them using MySQL workbench.
- Developed efficient test strategies to verify website and collected and modified data as per user needs.

Client-Server Interactor, Internet Technology, Rutgers University   *January 2019 – April 2019*
- Coded a small-scale version of control system with various functionalities such as configure, checkout, update, upgrade, commit, push, create, destroy, add, remove, current version, history and rollback using sockets, multithreading, forking and file api.
- This remodeled version supported the users to work in groups by using socket id and port number.

Artificial Malloc, Systems Programming, Rutgers University   *January 2018 – April 2019*
- Implemented our own version of the system's malloc and free functions that provides the same functionality as of malloc() and free() and it also detects common programming and usage errors.

RELEVANT COURSEWORK

Algorithms	Data Structures	Compilers/Assembly	Operating System	C/C++ Computer Architecture	Networks
Software Methodology	Python	Artificial Intelligence	Computer Security	Logic Analysis	Programming Languages

WORK EXPERIENCE

Learning Assistant, **Rutgers University, New Brunswick, NJ, USA**   *February 2021 – Present*
- Facilitate workshops and discussions to provide assistance for various courses in computer science program with the students to help them understand the need behind writing computer programs to solve engineering problems.

Web Developer, **Everlife Energy India Private limited, India**   *April 2020 – December 2020*
- Created and Handled a fully functional website and coordinated with the web development team in revamping the web applications using HTML, CSS and other webpage designing tools and handled the functionalities as needed.
- Designed, developed and implemented testing methods to increase the efficiency of the databases.
- Coordinated and managed order and service-related activities with our vendor partners.

Student Unit Manager, **Rutgers University, New Brunswick, NJ, USA**   *Jan 2018 – March 2020*
- Coordinated 50+ employees' scheduling and administered daily events efficiently.
- Managed cash transactions, balanced register, systemized inventory and assisted with placing orders to restock.