

Dev Patel

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EDUCATION

Rutgers University, *New Brunswick, NJ*

May 2021

Degree: Bachelor of Science in Computer Science

Relevant courses: Algorithms, Data Structures, Python, Artificial Intelligence, C/C++, Computer Architecture, Networks, Computer Security, Compilers Assembly, Operating Systems, Logic Analysis, Software Methodology

WORK EXPERIENCE

Software Engineer at Glidewell Dental, *Irvine, CA*

Sep 2021 – Present

- Implementing AWS cloud architecture for IoT based machine monitoring and control by using standard IAC practices.
- Developing Web Dashboards for machine monitoring using various frameworks and maintaining the updates and versions for the programs deployed in the production to increase the production efficiency by 50%.

Full Stack Web Developer at Signage Ideas, *Redlands, CA*

Jul 2021 – Sep 2021

- Assembled and addressed technical and design requirements, integrating user-facing and front-end elements like maintain web presence effectiveness which helped boost the sales up to 100%.
- Collaborated with stakeholders during development processes to confirm creative proposals and design best practices.

Learning Assistant at Rutgers University, *New Brunswick, NJ*

Feb 2021 – May 2021

- Facilitated 20+ workshops and discussions to help 40+ students with courses in Computer Science.
- Developed 5 tutorials on how to write computer programs and solve engineering problems.

Web Developer at Everlife Energy India Private limited, *India*

Apr 2020 – Dec 2020

- Designed testing methods to increase the efficiency of databases by 20%.
- Managed service-related activities with 15 vendor partners and created a fully functional website in collaboration with the web development team.
- Revamped 30+ web applications using HTML, CSS and designing tools improve functionalities by 50%.

PROJECTS

Photos – Android Studio, Independent Project

Dec 2020 – Jan 2021

- Designed the application to import the photos from the gallery and enhanced the functionalities to handle photos using XML and Android Studio.
- Mastered Object-oriented programming and Data Structures to handle 20+ functionalities needed for the application.

Wumpus World, Artificial Intelligence

Sep 2020 – Oct 2020

- Enhanced AI in the Wumpus World game using the “Fog of War” idea and adding the probability distribution for state variables and best moves to succeed.

Flights, A Travel Reservation Website at Rutgers University

Oct 2019 – Dec 2019

- Created a website that allows users to view or make flight reservations for 1000+ flight schedules using HTML/CSS, Java, JavaScript, and MySQL.
- Hosted the website using AWS S3, MySQL workbench and AWS RDS for related functionalities. Stored data in MySQL database and modified it along with selected payment options.

Client-Server Interactor, Internet Technology at Rutgers University

Jan 2019 – Apr 2019

- Built a small-scale version of control system with 13 functionalities using sockets, multithreading, forking and file API. Functionalities included: configure, checkout, update, upgrade, commit, push, create, destroy, add, remove, current version, history, and rollback.
- Deployed a multi-user version to accelerate teamwork by 30% using socket ID and port numbers.

TECH SKILLS

Computer Science:	Distributed, Multi-tiered systems, Algorithms, Linear programming, Nonlinear optimization
Programming:	Java, C, C++, C#, Python (NumPy, Pandas, SciPy), HTML, CSS, JavaScript, XML, Git, MATLAB
Databases:	Relational databases, SQL server, MySQL, MongoDB, Google Cloud, AWS, Microsoft Azure
Systems:	Unix/Linux, UI Enhancement
Cloud Computing:	AWS (Greengrass, IoT, SQS, SNS, Lambda, DynamoDB etc.), Azure and GCP.