

Aditya Pathania

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Profile

A passionate developer who brings creative ideas by blending the art of design and skills of programming to deliver immersive user experience through efficient application development and proactive feature optimization.

Education

University of New Brunswick

MASTER'S IN COMPUTER SCIENCE, GPA: 3.9/4.3

Fredericton, CA

Sep 2018 - Apr 2020

- Worked as a **Graduate Teaching Assistant**.
- Coursework: Artificial Intelligence, Machine Learning, Data Analytics, Data Visualization, Cryptanalysis and Security.
- Project work: Developed a prototype for Sentiment Analysis using Artificial Intelligence.

Amity University

BACHELOR'S IN COMPUTER SCIENCE, GPA: 3.0/4.0

Noida, IN

2012 - 2016

- Coursework: Statistics & Probability, DBMS(SQL), Network Modelling, Algorithm & Design, Data Structures, C++.
- In-House Training Project: Developed Air Traffic Controller program using Dijkstra's algorithm.
- Final Year Project: Developed a **Pay-roll Management System using HTML, CSS, JAVA and SQL**.

Skills

Languages: JavaScript(ES6), ReactJS, Redux, Typescript, HTML5, CSS3, Bootstrap, Sass, Python
Frameworks: Angular8, Flask
Database: MySQL, MongoDB, Postgres
Other: Git, Webpack, Adobe XD, API(REST)

Experience

Teledyne Caris Inc.

SOFTWARE DEVELOPER (CO-OP)

Fredericton, CA

May - Dec 2019

- Worked on designing, developing, testing and debugging user interfaces.
- Worked on both front-end and back-end development of Web-App using **ReactJS, Flask, HTML5, CSS3**.
- Developed the whole Business layer of the web-app to track and download reports of user data.
- Designed & developed a user friendly web-app which included functionalities like User/Admin Login, Token-based Authorization, Security.
- Fixed bugs from existing web-apps and implemented enhancements to improve web functionality.
- Automated regular processes like report generation, CSV to JSON conversion using Python.

NIIT Technologies Ltd.

SOFTWARE ENGINEER

Noida, India

July 2016 - Apr 2018

- Served a US based client where I developed unique UX/UI that drove interaction using ReactJS.
- Maintain websites and applications including content update, account administration, debugging, feature enhancement and regular upgrade to ensure security and usability.
- Worked on custom **CSS grid system, CSS media queries** for mobile responsiveness.
- Leveraged responsive web frameworks to consistently complete product deliverable ahead of schedule.
- Worked in both Agile and Waterfall settings.

Oil and Natural Gas Corporation (ONGC)

INFORMATION TECHNOLOGY INTERN

New Delhi, IN

December 2014 - January 2015

- Engaged in a on-shore project to develop a Website using HTML, CSS and JavaScript.
- Successfully identified and fixed website issues including broken links, formatting issues.
- Decreased daily production issues.
- Improved slow API responses.

Projects

Admin Portal to download reports

TELEDYNE CARIS

Fredericton

Jun - July 2019

- Designed and developed the admin portal UI in ReactJS which generated reports and provided summary of user data.
- Significantly increased web application speed and API response time.

Business Layer for Teledyne's upcoming product

TELEDYNE CARIS

Fredericton

Aug - Oct 2019

- Designed and developed the business layer for company's upcoming product using ReactJS.
- Worked on both front end and back end development.
- Ensured the technical feasibility and optimum functioning of design features which accelerated the load time.
- Worked on user profile management, Admin/User portal and implemented token based authentication.

Issue Tracking System

NIIT TECHNOLOGY

Noida, India

Oct - Dec 2017

- Developed a system which would record the technical issues within clients internal system application.
- Quickly identified issues within the existing system. Completely re-designed a new UI layout.
- It was developed using JavaScript, HTML5, CSS3 and Postgres.

Awards

Data Visualization Competition

VIEWERS CHOICE AWARD

UNB, Fredericton

21 November 2019

- Created a Data Visualization on Floods in Fredericton using Tableau.
- Won a cash prize of \$250

Leadership & Volunteering

Amity Youth Club

STUDENT RELATIONS ASSISTANT CHIEF

Amity University, India

Jul 2015 - April 2016

- Assisted in organizing Alumni Meets.
- Worked as Assistant Chief Coordinator in organizing the biggest event of the university called the Amity Youth Festival.

Socio-Economic Research & Development Organization (SERDO)

LOGISTICS COORDINATOR

New Delhi, India

Jul 2015 - April 2016

- Collected data from residents of a village about work skills available at different age groups.
- Uploaded and analysed the collected data into the system and created reports to propose appropriate scheme to state government for enhancing general income levels of the region.