Prabhleen Kaur

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EDUCATION

University of Calgary, Calgary   *August2020 - May 2021*

Master of Engineering, Software Engineering | GPA: 3.5

Punjabi University, Patiala (India)   *August 2015 - July 2019*

Bachelor of Computer Science Engineering | GPA: 3.7

SKILLS

- HTML5/CSS3/ C++
- Java / Python / C /JavaScript
- Git/Visual Studio/AWS/Cybera
- ASP.NET/J2EE/XAMPP-PHP
- Expertise using assistive technology
- JQuery/Bootstrap/AJAX
- AGILE / Scrum
- MySQL/Oracle SQL/MongoDB
- Windows/OS X/Linux.
- AngularJS/NodeJS
- Hands-on experience in black-box, white-box, mutation, GUI based, and manual functional, using several tools such as EclEmma, Selenium, and RDC, with 'Junit' as the testing framework.
- JAWS/NVDA/VoiceOver

ACADEMIC PROJECTS

Movie Theatre Ticket Reservation App- Team project
- Analyzed, designed, and developed a system that enables different features from booking tickets to searching for shows, keeping track of booking history and cancellations with several other constraints.
- The app was developed with a Strategy design pattern.

Categorizing the content of GitHub README files
- Developed machine learning models to gain systematic understanding of the content of GitHub README files.
- Implemented the project on Databricks using PySpark and Python.
- Pre-processed the data using content abstraction and tokenization.
- Results of the NBM, SVM, and RFC machine learning models were analyzed and concluded.

Face Detection using Siamese Model
- Collated the dataset and performed data augmentation using OpenCV and Python.
- Implemented a face detector on 'Google Colab' using Siamese Model.

Private Preserving AI prototype (Capstone Project)
- Worked as a team of two to build a privacy preserving AI prototype for medical image analysis using PySyft and PyGrid to demonstrate the concept of Federated Learning.

WORK EXPERIENCE

Tata Consultancy Services, Toronto (ON)   *January 2022–Present*
Quality Analyst
- Testing PDFs for accessibility using automated tools, manual testing techniques, and screen reader software to ensure that the application is accessible by people with disabilities as required by law.
- Working with developers to identify and fix accessibility issues in PDFs.

Steelhaus Technologies, Calgary (AB)   *August 2021–Present*
 Programmer Analyst
- Assist in setting up and following a DevOps Test Driver Development based programming methodology.
- Work on a web-based Application which encompasses a relational database back end and provides an authentication/authorization portal framework to support applications which are used by customers and internally.
- Update existing software applications to modernize and/or add functionality.

Mountcode Technologies, Mohali (India)   *July 2019–July 2020*
Junior Developer
- Writing efficient and well-designed Code aimed at high quality, testability and performance.
- Contributed as a full-stack developer, worked closely with organization's database, back-end and front-end stacks.
- Execute manual testing along with the developers to validate the quality before release.

INTERNSHIP
Eva Solutions, Patiala (India)   *January 2019 - May 2019*
 Intern
- Got trained in HTML5, CSS3, JavaScript, Ajax, JQuery, Json, NodeJS, AngularJS,Bootstrap.
- Complete the responsibilities of Scrum Master in the project (Coordinate the project, Make the plan, Divide the work among team members, Maintain the excel sheet)
- Implement design, development, validation and support activities in line with architecture requirements.
- Writing efficient and well-designed Code aimed at high quality, testability and performance.

CDAC, Mohali (India)   *May 2017 - June 2017*
Summer Training
- Design, implement and maintain java application phases.
- To take part in software and architectural development activities.
- Conduct software analysis, programming, testing and debugging.