HIMANI SINGLA

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EDUCATION

University of Dayton, Dayton, OH   Jan 2019 **-** Anticipated May 2021

Master of Science in Computer Science & Graduate Certificate in Autonomous Systems GPA: 3.82/4.00

Relevant Coursework: Artificial Intelligence, Database, Algorithm Design, Data Visualization, Big Data & Hadoop, and Cyber Security.

Punjab Technical University, Punjab, India   Aug 2008 - June 2012

Bachelor of Technology in Computer Science

LANGUAGES, FRAMEWORKS, & TOOLS

- Java, Python, C++, SQL, PL/SQL, Angular9, and JavaScript.
- Spring MVC, Spring Boot, REST API, Soap, Microservices, Json, XML, HTML5, and CSS.
- Eclipse, Visual Studio, NetBeans, GIT, MATLAB, Postman, JIRA, Bitbucket, and Apache Server.

WORK EXPERIENCE

Crown Equipment Corporation   Aug 2020 - Present

IT Developer Co-op

- Developed order confirmation pages in JavaScript.
- Currently, upgrading Angular components using Bootstrap, Routing, and AuthGuard service with Karma and Cucumber testing.

University of Dayton, OH *(Business Research Group)*   June 2019 - Aug 2019

Graduate Research Intern

- Evaluated Kindergarten data from all the Dayton districts and visualized it using SPSS.
- Analyzed 12 months of SAYO-S and SAYO-Y data to study kid's behavior patterns.

Infosys Private Ltd., Bengaluru, India   Oct 2014 - June 2018

Senior System Engineer

Horizon GSX *(Apple Client)*

- Developed calibration to test screen coordinates of devices and to check their repair eligibility.
- Designed APIs to diagnose devices and attain repair details using SOAP and XML.

Tetris GSX *(Apple Client)*

- Developed a code to enhance the order info collection based on the serial number using Java, Spring MVC framework, and SQL.
- Developed new Restful web services for Apple care using JSON.

Sustainable Engineering Queue GSX *(Apple Client)*

- Analyzed, debugged, and enhanced the production issues in Java, JavaScript, and PL/SQL codes.
- Developed new SOAP web services to display information regarding the repair status of the device.

RELEVANT ACADEMIC PROJECTS

Full Stack Web Application with Authentication   Nov 2020 - Dec 2020

- Developed a full-stack web application with login page using Angular, Java, Spring Boot, and Restful APIs with basic authentication and JWT.

Support Vector Machine   Sep 2019 - Nov 2019

- Developed a Support Vector Machine using PySpark with Machine Learning Algorithm (K-means) and dataset achieving 96% accuracy.

Image Segmentation and Ray Tracing   May 2019 - Aug 2019

- Developed a computer vision model to detect objects and determine shapes using image segmentation algorithms like Canny, Hough, K-Mean.
- Implemented a simplified Ray tracing using DFS to generate the final pixel color on an image using C++ and Open GL.

Emotional Recognition Using Artificial Intelligence   Feb 2019 - May 2019

- Developed a machine learning model for the detection of different human emotions using live videography.
- Achieved 87% accuracy in detecting different emotions and facial features using CNN and Cascade classifier.