

# HARSH KANSARA

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## PROFESSIONAL EXPERIENCE

### IT Analyst | DependableIT, Canada

Apr 2023 –Current

- Understand business needs and provide solutions to improve operations. Attend staff development workshops and refresher courses as required. Update systems to record the measures taken to troubleshoot the problem.
- Document the reasoning, changes in the development of processes and followed the latest tech. developments.
- Multi-task using the software to verify customer data in order to determine appropriate issue resolution.
- Deliver responses which consistently exceed client expectations in terms of responsiveness and accuracy.

### Software Engineer (Intern) | Wimtach, Canada

Jan 2022 –Dec 2022

- Worked as a researcher at Wimtach for ECDI Project to develop an **iOS Application** using **React-Native**.
- Performed Optical Character Recognition through Tesseract to develop front-end in React-Native (XCode) and Back-end in Flask APIs for further integration to identify text from images and translate it to speech for the use of 150+ kids.
- Designed the interactive reusable React components and performed implementation of API integration.
- Implemented REST APIs using Python and Flask, and achieved the accuracy of predictions to more than 90 percent.
- Deployed on TestFlight Testing Software and provided technical docs to business experts.

## TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, HTML, Java, CSS, Node.js, ReactJS, AngularJS, React-Native, JavaScript
- **Tools/Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, Apache Spark, AWS – S3, SciPy, NLTK, Figma, AWS, Heroku, Jira, UMLet, Visual Paradigm, PyTest
- **Others:** Agile Methodology, Requirement Gathering, MERN Stack, SDLC, API Development, REST, SOAP, Programming, Git, CI/CD, Jira, Asana, SLA, Troubleshooting, Debugging Issues, QA.
- **Database/Framework:** MS SQL, Oracle, MongoDB, Flask
- **Certifications:** Data Science & Business Analytics (Internship), Udemy React: The Complete Guide, Google Data Analytics, Google Cloud Big Data & ML Fundamentals, Node.JS Essential Training (LinkedIn Learning)

## EDUCATION

### Advanced Diploma Software Engineering- Artificial Intelligence

Jan 2021 – Aug 2022

Centennial College, Toronto, ON. GPA – 3.6/4.5

### Bachelor of Engineering - Information Technology

Apr 2016 – Aug 2020

G. H. Patel College of Engineering & Technology, Gujarat, India Grade: Distinction

## ACADEMIC PROJECTS

### Intelligent Card Scanner (Cloud Computing - AWS), Centennial College

Feb 2022 – Apr 2022

- Developed serverless web-based application to extract intended information from business cards by **OCR and NER**
- Used **AWS services** like **AWS Textract**, and **AWS Medical Comprehend** to implement AI/NLP Capabilities
- Included **AWS Cognito**, **AWS SMS**, **DynamoDB**, and **React JS** to create an end-to-end web application

### Sentiment Analysis (NLP), Centennial College

Jan 2022 – Apr 2022

- Cleaned and pre-processed Text data to analyze the sentiment of reviews on the Amazon Product dataset
- Compared results by implementing **Lexicon approach** (using Text Blob and VADR) and ML approach (**Ensemble Learning**)

### TripEZ (Software Engineering Project) Centennial College

Sept 2021 – Dec 2021

- A travel planning android-based web application aiming to save user's time with tools under the same app. Also, used a weather API to display weather for that site to provide user with insights about the weather on that day and location.
- Used GraphQL schema, generated APIs, prepared Frontend through AngularJS and Backend in Express and Kotlin, MongoDB NoSQL as a Database and implementation of CRUD Operations.

### Face Recognition (Unsupervised Learning), Centennial College

Jun 2021 – Sept 2021

- Performed data augmentation (**Autoencoder**) and dimensionality reduction (**PCA**) on images that increased score by 25%
- Applied **clustering techniques** to generate actual labels and fine-tuned **ANN** model to classify images

### SurveySite (Web Application Technology), Centennial College

Jan 2021 – Jul 2021

- Developed a multi-user dynamic survey website for conducting surveys using AngularJS, VueJS in Front-end, NodeJS and python as a backend technology.
- Successfully built, ran, operated and deployed the website on Heroku cloud platform.

## ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES.

- Secured 1st position in the Manage My Groceries Hackathon Jan 2022
- Secured 2nd position in the Reading Partnership Hackathon in collaboration with Wimtach Dec 2021