

Ronak Patel

ENGINEER · INNOVATOR · ENTREPRENEUR ·

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"I code, I am code."

Experience

Google

Kitchener, ON, Canada

TECHNICAL SOLUTION DEVELOPER II

October 2019 - Ongoing

- Working in Google Cloud Support organization. Provided solutions to tough problems and issues for many large customer on Google Cloud. Heavy experience in Cloud Technologies and Distributed Systems. Worked on many internal tooling projects.

XE.com Inc.

Newmarket, ON, Canada

SOFTWARE DEVELOPER II

January 2017 - August 2019

- Worked in Data Team on Big Data Projects while maintaining ETL jobs and other Data Infrastructure on AWS as Data Lake. Wide experience with Data and Machine Learning Pipeline with Sagemaker.
- Maintained existing Currency App and Worked on redesign of Currency Android App and Travel Android App from architecture to deployment with use of latest Android Tools and Architecture Components.
- Worked on XE Alexa Skill from architecture to deployment which include AWS Architecture with Speech Design.
- Created and Worked on XE Bot Framework that can host all bots of XE which includes Google Assistance Bot and Slack Bot.

Royal Bank of Canada

Toronto, ON, Canada

PROTOTYPE TECHNICAL SYSTEM ANALYST

September 2014 - April 2015

- Part of a team called "Applied Innovation" which is a think tank of RBC. Applied Innovation makes Prototypes/Proof of Concepts(POCs) of innovative ideas hence, I got great experience in Enterprise Innovation.
- Worked on two main projects, "NymiAuth & NymiTran" and "AIFeedback Web Application", more details about these projects are available on my Portfolio
- Mainly using following Technologies during my internship at RBC: Android, HTML, CSS, JavaScript, PHP, MySQL, Apache HTTP Server, Firebase, NymiBand, GIT.

UGVCL

Gandhinagar, Gujarat, India

DEVELOPER INTERN

June 2012 - May 2013

- UGVCL is a power distribution company in Gujarat, India. They have Software Development team which mainly develops software tools for internal employee.
- Worked on a project called "Transformer Management System" which was tool to track every detail of Transformers, more details about this project are available on my Portfolio.
- Mainly using following Technologies during my internship at UGVCL: HTML, CSS, JavaScript, jQuery, PHP, MySQL, Apache HTTP Server.

Rutav Engitronic Systems

Gandhinagar, Gujarat, India

FREELANCE DEVELOPER

February 2013 - March 2013

- Joined as a freelance developer with my team of 3 other developers. Worked on a project called "Vehicle Tracking and Control System" which was a web application where one can see real-time location of their car, more details about this project are available on my Portfolio.
- Mainly using following Technologies during my work at Rutav Engitronic Systems: HTML, CSS, JavaScript, PHP, MySQL, Apache HTTP Server, Arduino, Raspberry Pi

Education

University of Windsor

Windsor, ON, Canada

MASTER OF SCIENCE - COMPUTER SCIENCE WITH COOP

January 2014 - July 2016

- Completed this degree with Grad Point 9 out of 13 and also got a GSS Scholarship 2014. It was Research based program and my Research was on Artificial Intelligence and Augmented Reality. I was also Founder and President of my university's hackathon "HackUWIN 2014".

- Completed this degree with CGPA 6.69 out of 10. I was Co-Founder and Administrator of our collage's technical club "TechTitanz".

Skills

Programming Languages	Java, JavaScript, Python
Mobile Development	Android, Android Wear, Gradle, Dagger 2, Retrofit, Butter Knife
Web Development	PHP, HTML, CSS, JavaScript, NodeJS, NPM
Cloud & Database	AWS, MySQL, Firebase
Tools	Android Studio
Programming Tools	GIT, Jenkins, Terraform, Artifactory
Application Server	Apache HTTP Server, Apache Tomcat
BigData Development	AWS Sagemaker, Data Lake, AWS Redshift, Data Warehouse, Hadoop, Apache Spark

Research

Search Space Representation of Near Field 3D Scene using Microsoft Kinect

University of Windsor

January 2014 - July 2016

- This thesis proposes a novel method which generates a search space representation from the perceived information from an AR system, specifically Microsoft's Kinect. The output can provide a basis to apply existing knowledge of pathfinding to augmented reality.

Extracurricular Activities

HACKATHONS & PROJECTS

S 2017	Apollo , A GM Car Infotainment application that act as car AI Assistant.	GMHackAI
F 2016	Microlancer , An Android application that provides location aware micro job search platform.	RBC NGI
F 2016	Thoth , An Android application that allow users to use internet without internet.	Hack the North
W 2016	AlexaKeep , A Amazon Echo/Alexa application that can store day to day information.	Amazon-CL
W 2016	Machine Learning , Basics, Algorithms, Implementation.	UofTHacks
F 2015	Image Processing , Basics, Algorithms, Advanced, Implementation.	HackWestern
F 2015	Exgress , An Android application/game similar to Ingress that can be played in AR using Microsoft Band.	YHack
F 2015	RingerForce , A Web application that provides location aware micro job search platform.	HackGT
F 2015	Parko , A platform (Android + Arduino) that allows user to search and book open parking spaces.	Hack the North
F 2015	InPACT , An Android application rates good deeds of community from micro commitments for good.	MHacks 6
S 2015	Idea PiFi , A Raspberry Pi based router that allows user to use anyone's WiFi with nominal charges.	BattleHack 2015
W 2015	Praxis , A platform that allows user to earn money from displaying advertisements on their MeUs.	UofTHacks
W 2015	Eventose , An Android application which uses BLE Beacons for an event management.	MHacks 5
F 2014	Internet of Things , Basics, Implementation.	HackWestern
F 2014	Augmented Reality , Basics, Advanced, Algorithms, Implementation.	Hack the North
S 2014	Idea NymiShare , A platform (Android + NymiBand) which allows user to share their digital visiting card.	Nymi Hackathon
S 2014	Artificial Intelligence , Basics.	Mastercard NEXT
W 2014	Idea HelpBuddy , A Web application which allows user to call for community help at their location.	HackIllinois
F 2013	Idea SIMHack , An Android application that can secretly store data on user's SIM Card.	Azoi Hackathon
S 2013	ArduiOArt , A robot that can draw on A4 size paper from any image provided.	GujAthon

LEADERSHIP

S 2014	HackUWIN 2014 , Founder & President	UWindsor
2009-2013	TechTitanz Club , Co-Founder & Administrator	SVBIT, GTU