

# Krunal Patel

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## Summary

I am a Lead Tech Advisor at InnoVisor, a consulting firm that helps organizations leverage the transformative power of technology. With over eight years of experience in mobile app development and project management, I harness the power of cutting-edge IT solutions to drive business success. I am also pursuing a PhD in Computer Science and Engineering from the University of North Texas, with a focus on AI and machine learning.

My expertise lies in identifying and implementing innovative IT strategies that streamline operations, secure assets, and foster innovation. I have a keen eye on the ever-evolving tech landscape, and I deliver solutions that ensure organizations are agile, forward-thinking, and ready for the future. I have designed and developed several successful applications on the Google Play Store, including Resideo Smart Home, which has over 1M+ downloads and features DIY for thermostat, camera, and z-wave devices. I am proficient in Java, Kotlin, Cloud Firestore, Kotlin Coroutines, and XML. I am also skilled in Power BI, DAX, PowerQuery, and Model Management. I am passionate about creating user-friendly and innovative mobile applications that meet the needs of modern users, and I am always eager to learn new skills and technologies.

## Experience

### Lead Tech Advisor

InnoVisor

Mar 2024 - Present (2 months)

As a Lead Tech Advisor, I harness the transformative power of technology to drive business success. My expertise lies in identifying and implementing cutting-edge IT solutions that streamline operations, secure assets, and foster innovation. With a keen eye on the ever-evolving tech landscape, I deliver strategies that ensure organizations are agile, forward-thinking, and ready for the future.

### Technical Lead

Resideo

Sep 2016 - Sep 2021 (5 years 1 month)

As the Technical Lead for Resideo's Smart Home development team, I played a pivotal role in steering the project towards exceptional success. I led a dynamic team through the agile development lifecycle, facilitating daily stand-ups, sprint planning, and code reviews. My leadership ensured that our work consistently aligned with strategic project goals and timelines, while fostering an environment of mentorship and growth for team members.

In addition to my leadership responsibilities, I actively contributed to the development of the Resideo Smart Home mobile app, which has achieved over 1 million downloads. I was instrumental in designing and implementing innovative features for DIY smart devices like thermostats, cameras, and Z-Wave devices, and collaborating with the design team to overhaul the user interface, enhancing overall usability and performance.

My efforts were recognized with a GOLD award in 2017 & Silver Bravo award in 2019 for successful product delivery, underscoring my commitment to excellence and innovation in technology. My technical and leadership skills combined to deliver high-quality software solutions that not only meet but exceed user expectations.

## Programmer Analyst

Cognizant

Jan 2016 - Sep 2016 (9 months)

As a Software Engineer at Cognizant, I actively participated in development activities and wrote unit test cases to ensure high-quality code. Additionally, I built proof-of-concepts for the latest Android SDK updates, staying up-to-date with the latest technologies and trends.

## Android Application Developer

HireCraft Software Pvt Ltd

Feb 2015 - Jan 2016 (1 year)

As a software engineer, I actively participated in development activities and writing unit test cases. I also built an end-to-end Android application for an onboarding/recruitment portal. My responsibilities included gathering requirements from clients and supporting the building of mock application designs using pencil tools.

## Android Application Developer

Youflik Social Net Connect

Aug 2013 - Feb 2015 (1 year 7 months)

As a software engineer, I began my career as an Android developer at Youflik, a social networking website. During my tenure, I developed an Android app for networking website. Additionally, I spent a few months working as an Automation Test Engineer. Based on the company's requirements, I then moved to the Mobility team and collaborated with a team of developers

## Cyber Forensics Investigator

Mandamus Info knowledge Consultants Pvt Ltd.

Jan 2013 - Jun 2013 (6 months)

As an intern in Ethical Hacking & Cyber Forensics, I investigated and analyzed volatile memory and secondary storage devices on a suspect's system. Additionally, I trained students on Ethical Hacking & Cyber Forensics and conducted investigations on emails. I identified sources of evidence, secured and preserved evidences, analyzed them, and documented my findings. I also conducted investigations and analysis on various cases given by third-party and corporate clients, as well as performed vulnerability analysis.

## Education

### University of North Texas

Doctor of Philosophy - PhD, Computer Science and Engineering

Jan 2024 - Present

### University of North Texas

## MS, Computer Science

Aug 2022 - Dec 2023

1. Worked on the iCare project. From the start, we focused on creating a user-centered product that would meet the needs of our target audience. We conducted extensive research to understand user needs and preferences, and used that information to guide our product design and development. We followed agile methodologies to ensure that we were delivering value to our stakeholders at every stage of the project.
2. Research work on Evolution of Data Compression.
3. Research work on Recommendation System.

## CMRIT

Master of Computer Applications (M.C.A.), Computer Programming, Specific Applications

2010 - 2013

As a computer science graduate, I completed my Master's in Computer Application from CMRIT with a 76% score. I have attended several workshops to enhance my skills, including Automation Testing, Penetration Testing, and Android Development.

## Veer Narmad South Gujarat University

Bachelor of Science (BSc), Computer Science

2007 - 2010

<http://www.vnsgu.ac.in/>

## Burnpur Riverside school

Higher School Certificate, High School Certificate Programs

2006 - 2007

## Burnpur Riverside School

Secondary School Certificate, Secondary School Certificate

2004 - 2005

## Licenses & Certifications

**NCC-A Certified**

**IBM Rational Application Developer Certified**

**Certified Call Center Professional**



**Java (Basic) - HackerRank**

932286B03101



**Problem Solving (Basic) - HackerRank**

D5A468A964ED



**English Proficiency Certificate** - Duolingo English Test

Issued May 2022 - Expires May 2024



**https://g.dev/krunalpatel** - Google Developer Experts



**Agile Product Owner Role: Foundations** - LinkedIn

AXKmsbCqY4mhyTxT83WH793vZulv



**Agile Project Management with Jira Cloud: 1 Projects, Boards, and Issues** -

LinkedIn



**Agile at Work: Planning with Agile User Stories** - LinkedIn

ATfhZ068oYtjZSSwMCT4lvDP3BSW



**Learning Azure DevOps** - LinkedIn

AV6G83oKQm6yNN-puUrTs3cFYjrM



**Agile Product Owner Role: Techniques** - LinkedIn

## Skills

Python (Programming Language) • Software Engineering Practices • Natural Language Processing (NLP)  
• Data Visualization • Microsoft Power BI • Agile & Waterfall Methodologies • Mobile Application  
Development • Machine Learning • Artificial Intelligence (AI) • Mobile Application Design

## Honors & Awards

**Gold Award** - Honeywell

Dec 2017

Awarded with GOLD award for successful delivery of a product.

**Silver Bravo Award** - Resideo

May 2019

Awarded with Silver Bravo award for successful completion of a product on time.