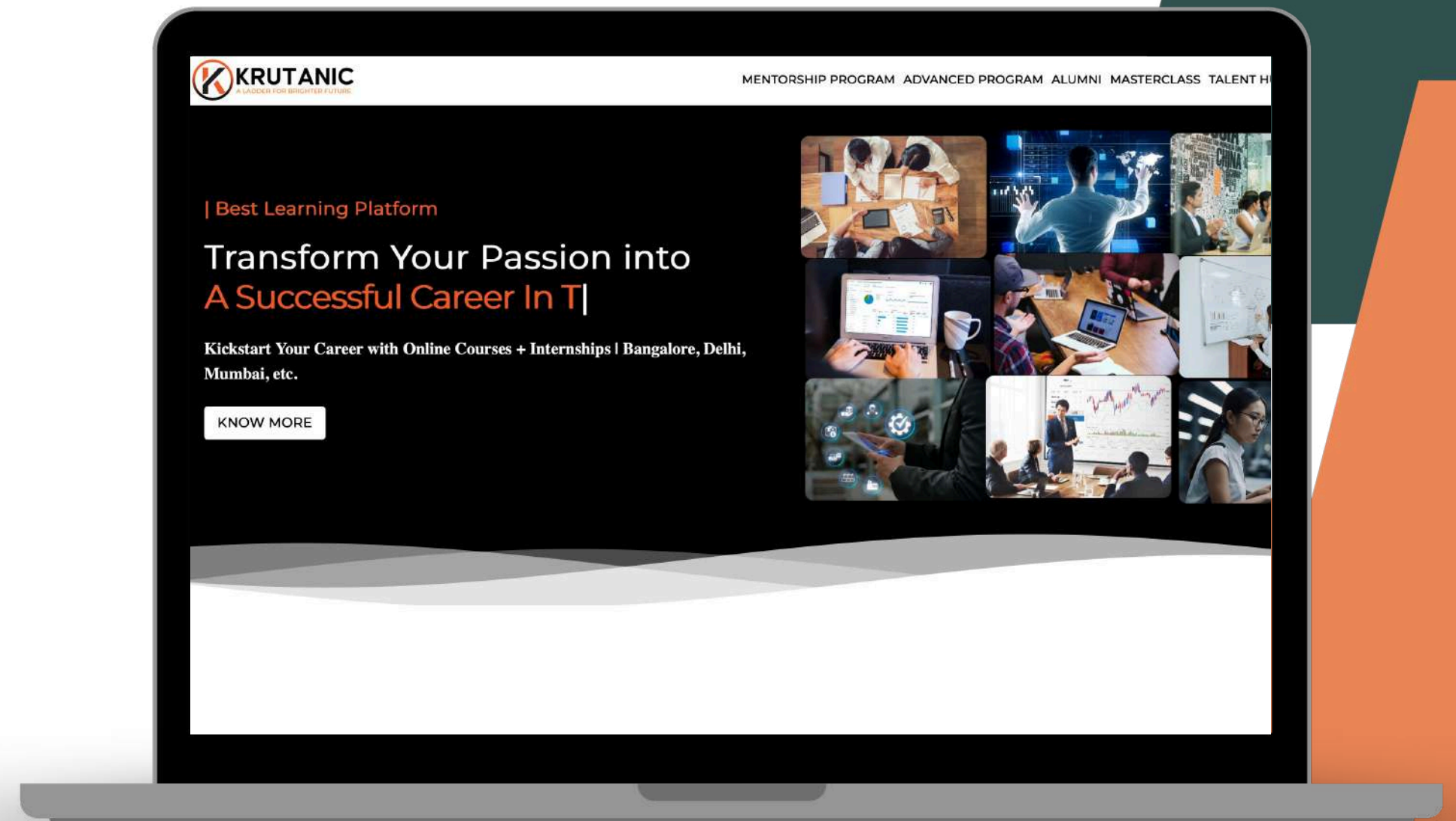




[www.krutanic.com](http://www.krutanic.com)



[support@krutanic.com](mailto:support@krutanic.com)





# KRUTANIC

A LADDER FOR BRIGHTER FUTURE

We are now an **accredited partner**

under



**Adobe**





# **TRAINING AND INTERNSHIP PROGRAM**





# About Us

"Krutanic is at the forefront of transforming education through cutting-edge technology. Our comprehensive platform empowers learners with personalized learning experiences, collaborative tools, and real-time analytics. With adaptive assessments and interactive content creation, we enhance student engagement and achievement. Join us in revolutionizing education for the digital age, driving positive outcomes and preparing learners for success in tomorrow's world. "





The background features a dark blue and black bokeh effect with out-of-focus light spots in shades of blue, green, and orange. Overlaid on this are various white line-art icons representing technology and data: a play button inside a hexagon, a group of three people, a gear, a line graph, a bar chart, a network of nodes, a hand holding a tablet, and a laptop with a bar chart on its screen. There are also some percentage values like 62%, 26%, 51%, and 45% scattered around.

# ANDROID APP DEVELOPMENT



# Why Android App Development?

- ⚙️ **Android powers over 70% of global smartphones, ensuring a massive user base.**
- ⚙️ **High demand across startups and enterprises creates abundant job opportunities.**
- ⚙️ **Being open-source, Android allows full customization and flexibility in app development.**
- ⚙️ **Tools like Android Studio, Kotlin, and Firebase streamline robust app creation.**
- ⚙️ **Android apps are essential in booming sectors like fintech, healthcare, and education.**
- ⚙️ **Offers excellent career growth with full-time, freelance, and global work options.**

# 1st MONTH



## LIVE SESSIONS

Live sessions with industrial experts having experience above 10 years in the industry.



## RECORDINGS

Recordings of all live sessions available with 1 year access in our LMS portal.



## INDUSTRY RELATED

Industry related curriculum designed by the working professionals in the top hierarchy.



# 2nd MONTH



## REAL TIME PROJECTS

Two real time

industrial projects One minor project and One major project.



## ASSISTANCE

All mentors will be assigned as project leads and guide the intern till the completion of the project.



## PERSONAL DEVELOPMENT

Additional projects for personal development can be required.





# Modules Overview

- **Introduction to Android**
- **Kotlin Programming Basics**
- **Android Studio & Emulator Setup**
- **UI Design with XML**
- **Activities and Intents**
- **Navigation and Fragments**



# Modules Overview

- **Data Storage in Android**
- **Networking and APIs**
- **Firebase Integration**
- **Advanced UI and Animations**
- **App Testing and Debugging**
- **Capstone Project & Interview Prep (only for placement assistance program mock interview preparation)**



# Curriculum included

## MODULE 01

### Introduction to Android

- Overview of Android OS architecture
- Understanding Android app components (Activities, Services, Broadcast Receivers, Content Providers)
- Project structure and files in Android Studio

## MODULE 02

### Kotlin Programming Basics

- Kotlin syntax: variables, data types, and functions
- Control flow: conditionals and loops
- OOP concepts: classes, objects, inheritance, interfaces in Kotlin

## MODULE 03

### Android Studio & Emulator Setup

- Installing and configuring Android Studio IDE
- Creating and running projects
- Setting up Android Virtual Device (AVD) emulator
- Running apps on physical devices

## MODULE 04

### UI Design with XML

- Basics of Views and ViewGroups
- Layout types: LinearLayout, RelativeLayout, ConstraintLayout
- Using Material Design principles for UI/UX
- Styling and themes



# Curriculum included

## MODULE 05

### Activities and Intents

- Activity lifecycle and states
- Creating and managing multiple activities
- Using explicit and implicit intents for navigation and data passing

## MODULE 06

### Navigation and Fragments

- Fragment lifecycle and usage
- Implementing navigation components
- Using Bottom Navigation and Navigation Drawer

## MODULE 07

### Data Storage in Android

- SharedPreferences for key-value storage
- SQLite database basics
- Room persistence library for database abstraction

## MODULE 08

### Networking and APIs

- Introduction to RESTful APIs Using Retrofit for network requests
- JSON parsing and data binding



# Curriculum included

## MODULE 09

### Firestore Integration

- Firestore Authentication setup
- Realtime Database usage
- Cloud Messaging for push notifications

## MODULE 10

### AdvancedUI and Animations

- RecyclerView and Adapters for lists
- Creating custom UI components
- Implementing animations and transitions

## MODULE 11

### AppTesting andDebugging

- Debugging using Android Studio tools
- Unit testing with JUnit
- UI testing with Espresso framework

## MODULE 12

### Capstone Project& Interview Prep

- Building a complete Android app from scratch
- Portfolio and resume development
- Mock interviews and technical quizzes

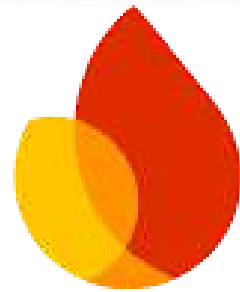
# Tools Included



**Android Studio**



**Kotlin**



**Firebase**



**SQLite / Room**



**Retrofit**



**espresso**



**Robolectric**

**JUnit / Espresso**



# Students Reviews



## Ramshad K



I have gained a really hands on Experience with on graphic design which was delivered by Akash sir was very supportive and endless worthy experience so far.



## Rajendra Prasad



I'm RajendranPrasad, to behonest I'm expressing my words, I have researched and found the correct certificate on Linkedin and scan that and found it 100% genuine and verified successfully.

It's my individual recommendation for everyone that Krutanic company is perfect with quality training and real world projects.

I have seen some bad reviews and many good reviews so got confused but now I realised that Krutanic solutions is the best company ever for training and internship provider, I have learned alot ofnew industrial things.



## Sahad K



Igotplacementat Wipro through krutanic support team. I am really grateful that I got to learn from AI Mentor Ashish sir and support from my counsellor was really helpful. All thanks to Bhoomika mam my operations support member from krutanic.



## Sunil Kumar



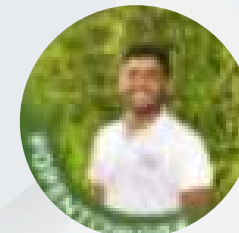
I'm Sunil Kumar, I have enrolled for Data Science program at Krutanic solutions and my experience is outstanding. It's my individual recommendation for everyone that Krutanic company is perfect with quality training and real world projects.



## Shubham Rai



Krutanic Group is truly doing a remarkable job by creating learning spaces that are not only informative but also inspiring. Ive had the opportunity to attend two of their courses-Photography and Graphic Designing-and both were simply



## Aman Nema



Krutanic's Full Stack Web Development program was a fantastic learning experience. The course covered essential technologies like HTML, CSS, JavaScript, React, and backend development, providing a strong foundation for building real-world web applications. The hands-on projects and expert guidance from mentors made learning interactive and practical. This program is perfect for beginners and aspiring developers looking to enhance their skills in web development. Highly recommended.

# Students Reviews



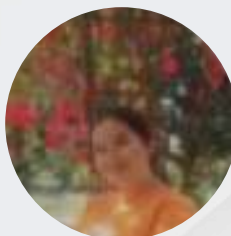
## Tejas Kolekar

I am thrilled to share my enriching experience from the Artificial Intelligence and Machine Learning Internship recently completed with Krutanic, in collaboration with Wipro, a leading multinational corporation. This 3-month program was an incredible opportunity to deepen my knowledge, enhance my skills, and grow both personally and professionally in the dynamic field of AI and ML.



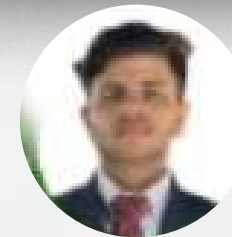
## Pranali Shinde

Excited to share that I've just completed a Data Science course from Krutanic! 🎉 It was an amazing journey diving into data visualization, exploratory data analysis, SQL, and machine learning. I've gained some valuable skills that I can't wait to apply in real-world projects. Big thanks to the instructors and everyone who made this experience so enriching! Looking forward to what's next!



## Prabhleen Kaur

Just after a few months of completion of my AI course I got my hands on attending Master class on Building AI agent without coding held in the month of March my experience was very good. I got to know about new things from my mentor Mr. Aashish Mishra. And at the end I received this 😊. All thanks to Krutanic for giving me this opportunity.....



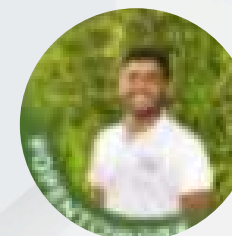
## Rishabh Nagar

Certificate of Training Completion from Krutanic Solutions in the field of Android App Development. Krutanic Paidi Venkata Chakravarthi Sir [#krutanic](#) [#android](#) [#app](#) [#development](#) [#androidstudio](#)



## Himendra Shukla

Completing my internship at **KrutaniC** has been a transformative journey, equipping me with hands-on experience in **Full Stack Web Development** and preparing me for a bright future in tech. Grateful for the guidance, real-world projects, and skills gained—here's to innovation and success ahead! \* [#InternshipCompletion](#) [#FullStackDevelopment](#) [#KrutaniC](#) [#TechJourney](#) [#Krutanic](#)



## Touheed Ahmed Nadaf

Clouds conquered.  
Excited to share my Cloud Computing internship certification from Krutanic!  
Grateful for the hands-on learning and ready to turn this experience into an impact in the ever-evolving tech landscape.  
[#CloudComputing](#) [#Krutanic](#) [#InternshipWin](#) [#TechReady](#) [#NextGenTech](#) [#FutureInCloud](#) [#LevelUp](#) [#DigitalSkills](#)



**Discover why this  
Android App  
Development  
course is  
essential for your  
learning journey.**



# Career Opportunities in Android App Development

## Android App Developer

**Design, build, and maintain native Android applications using Kotlin or Java.**

## Mobile UI/UX Developer

**Focus on creating user-friendly and visually appealing interfaces for Android apps.**

## Mobile App Tester (QA)

**Test Android applications for usability, performance, and bugs to ensure quality.**



# Career Opportunities in Android App Development

## Freelance Android Developer

Work independently on custom Android app projects for clients and startups.

## Full Stack Mobile Developer

Combine Android front-end development with backend services and APIs.

## Firebase Developer

Specialize in integrating Firebase services like Authentication, Realtime Database, and Cloud Messaging into Android apps.

# Certifications

**01**

**Training Completion  
Certificate of  
Validates the skills  
which acquired**

**02**

**Internship Completion  
certificate certified  
by  
Accenture/Adobe**

**03**

**Letter of  
recommendation(LOR)  
for your  
JOB/PLACEMENT**

**04**

**Certificate of  
excellence  
(Based on you  
Performance)**



# Program ratings



## STUDENT AVERAGE RATINGS



4.85/5



# Companies where our alumni thrive





# Our process

## Quick Guide



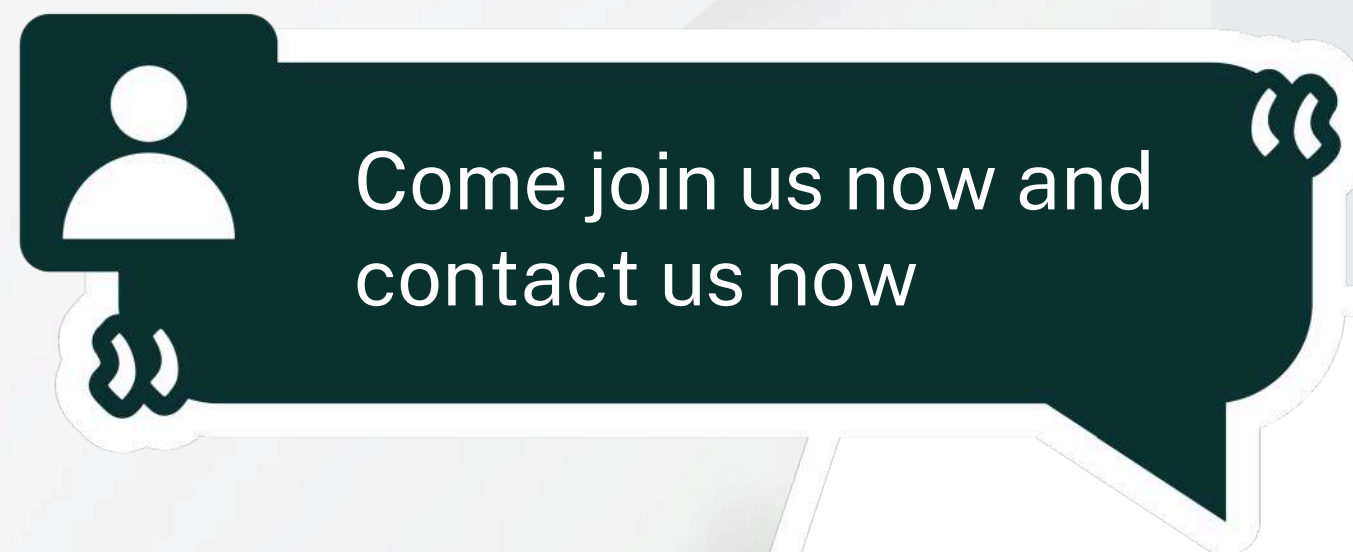
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