



# MASOOM BADI

## SENIOR DEVELOPER / AI - ML / ANDROID

  
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### Profile

Experienced developer with expertise in Android, AI and ML with demonstrated history in working with product and service based platforms to create beautiful applications.

Ready to take responsibility and ownership of work.

### Skills

**Android**  
Java/Kotlin

**Back-end stacks**  
PHP, MySQL, Firebase, Room

**Python**  
Used in training models with TensorFlow and Machine Learning.

**React JS**  
Beginner level for web apps along with native mobile apps

**HTML, CSS**  
Static web-design and development

**Javascript**

### Languages

English

Hindi

Gujarati

Korean

## Professional Experience

Nov 2021 – present	<b>Android Developer, Artificial Intelligence, Machine Learning, Unmiti</b> <ul style="list-style-type: none"><li>- Team lead, Successfully developed applications covering agriculture, animal &amp; dairy, live market information, and metrological sectors.</li><li>- Developed algorithm for encryption, and user authorization to provide secure application against various VAPT exploits and reverse engineering.</li><li>- Data analysis, labeling, and segmenting images to create a dataset for the model.</li><li>- Created AI Model from scratch including training, validating, and processing steps to detect crops, health monitoring, and other analytics.</li><li>- Built a custom camera that captures and processes the images including various aspects such as environment lightning, angle of the camera, approx distance of an object, clarity of image, direction from which the picture is taken, and validating it before passing it to model as an input.</li><li>- Successfully created a KML system to map the farm/area of the location using Manual, GPS, and Walk-through mode.</li></ul>	Hyderabad, India
Dec 2018 – Nov 2021	<b>Full stack developer, Gujarat Multi Services</b> <ul style="list-style-type: none"><li>- Developed and styled mobile applications using Java, SQLite, and Firebase.</li><li>- Implemented 2Factor Location-based user authentication attendance system, performed quality assurance and Vulnerability Assessment and Penetration Testing.</li><li>- Developed a virtual attendance system for the employees in the government office during the COVID pandemic, and implemented an automated payroll system based on attendance providing a safe, secure, and hassle-free experience.</li></ul>	Morbi, India
Jan 2017 – Nov 2018	<b>Freelancer / Contract Based.</b> <ul style="list-style-type: none"><li>- Developed and styled interactive mobile applications for e-commerce, transportation management.</li><li>- Designing backend, frontend and APIs from scratch.</li><li>- User Authentication, 2Auth Verification using Firebase.</li></ul>	

## Education

<b>Programming and Data Science, IIT Madras</b>	Madras, India
<b>Bachelor of Engineering in Computer Engineering, Gujarat Technological University (GTU)</b> Completed my degree with an 8.78 CGPA	Ahmedabad, India

## Courses

**Firestore ML Course, Udemy**  
Completed an online Firestore Machine learning course from Udemy.

## Tutoring

**Taught programming in Android.,**  
*During my college studies, I was selected to teach programming in Android to the group of 30 junior students.*