

# HAMZA RAUF

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## OBJECTIVE

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Software Engineer with 2+ years experience in Android Apps Development. I leverage my skills in software development, problem-solving, and teamwork to design and implement efficient, scalable, and innovative software solutions that enhance business outcomes and improve user experiences.

## EDUCATION

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**Bachelor of Computer Science**, University of Narowal.

2017 - 2021

## SKILLS

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<b>Programming Languages</b>	Java, Python, Kotlin, Dart and C/C++
<b>Front End</b>	XML, HTML, Angular
<b>IoT Development</b>	ESP8266, ESP32, Arduino
<b>Database</b>	SQLite, Realm DB, Firebase
<b>Machine Learning</b>	Pandas, NumPy, Matplotlib, Seaborn, ANN, CNN, Scikit Learn
<b>Others</b>	Git, PostMan, Android studio, Google Colab, Arduino IDE, Trello, OctaParse

## EXPERIENCE

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<b>Android Developer</b> YAMSOL Technologies	June 2022 - Present <i>Lahore, Pakistan</i>
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- Designed and implemented new features and enhancements for mobile applications. Ensuring smooth functionality and optimized performance across various devices.
- Utilized Android SDK, Java, Kotlin, and other relevant frameworks to build high-performance apps. Integrated third-party libraries and APIs to enhance application functionality.
- Collaborated with designers to create user-friendly interfaces, following Material Design guidelines.
- Identified and resolved performance bottlenecks and bugs using different profiling tools.
- Collaborated with backend developers, product managers, and QA engineers to deliver high-quality mobile applications.

<b>IoT Developer</b> Kissankar	Sep 2021 - June 2022 <i>Remote</i>
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- Design and developed IoT Solution.
- Write code for Controllers and Sensor's Integration with microcontrollers.
- Collected data using a Proposed solution

## PROJECTS

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**Agriculture Monitoring System Using IoT Devices - FYP**  
(ESP8266 – Python – Firebase – Android Application – Sensors – C)

**Incubator Monitoring System**  
(Android Studio - XML –Java– Firebase – ESP8266 – DHT 12 Sensor C/C++)

**Azan Call - Android Application**  
(Java – XML – Retrofit – API– MVVM – Mutable Live Data – Realm DB)

**NEMT Pro App - Android Application**  
(Java – XML – Retrofit – API–Dynamic Font Size–Testing –Debugging – Google Maps - Web socket)

### **UTWSD Passenger App - Android Application**

(Java – XML – Retrofit – API–Testing – Debugging – Google Maps- Web socket)

### **Rice Seed Health Detection Using Image Processing - Android Application**

(Java – XML – Tensor flow Lite – Machine Learning)

### **Easeplacement - Android Application**

(Flutter – Dart – Rest API)

## **EXTRA-CURRICULAR ACTIVITIES**

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### **Teacher Assistant, Department of Computer Science - University of Narowal**

Prepared course materials, including handouts and PowerPoint presentations. Graded Quizzes and assignments, provided feedback to students, and assisted with exam preparation. Conducted discussion sessions for undergraduate students to assist students with questions and concerns.

## **HONORS**

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- - Got First Position in BSCS.
  - Got 2nd Position in Science and Fair Competition Organized by the University of Narowal.
  - Complete Certification of Fundamentals of Machine Learning with Python from National Incubation Center Lahore (LUMS).