

KARTIKEYA GUPTA

D.O.B: 02/11/2001

COMPUTER SCIENCE ENGINEERING

BTECH

A.P.J. Abdul Kalam Technical University, Lucknow

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📁 @MyPortfolio

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PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented Mobile App Developer with hands-on internship experience. Successfully worked with remote SDKs and implemented silent OTA firmware updates using Android services and Java. Skilled in building clean, functional mobile apps for Android (Java, XML) and iOS (SwiftUI), as well as creating responsive web interfaces using HTML, CSS, and JavaScript. Strong problem-solving abilities, a fast learner, and passionate about delivering user-friendly, high-quality tech solutions.

EDUCATION

IMS ENGINEERING COLLEGE GHAZIABAD

B.TECH, Computer Science Engineering

Year: 2024

CGPA: 7/10

GOVT INTER COLLEGE ALLAHABAD

U.P. BOARD, Uttar Pradesh

Year: 2018

Percentage: 67.8

K.I.C. INTER COLLEGE JAUNPUR

U.P. BOARD, Uttar Pradesh

Year: 2016

Percentage: 76.5

EXPERIENCES (~1 Year)

UNIVERSAL ELECTRONICS INC.

Software Intern

Oct 2024 – Present

Bangalore, Karnataka

- Built a background system for silent OTA firmware updates using JobService and FileProvider.
- Managed permissions, service lifecycle, and remote device communication using Android SDK and Java also developed multiple Android apps.

NATIONAL INFORMATICS CENTRE || NIC DELHI

INTERNSHIP TRAINEE

7 June 2023 – 22 Aug 2023

Shastri Park, Delhi

- As a UI Developer at NIC Delhi, Worked as part of a team on an Inventory Management Project and My role was to create the UI of the project.
- I leveraged my expertise in Django, HTML, CSS, and JavaScript to design and implement user-friendly and visually appealing web interfaces

PROJECTS

Silent OTA Firmware Update using Remote SDK

(Completed during internship at Universal Electronics)

- Tools & technologies used: Java, Android, XML, Custom Remote SDK
- Integrated a remote management SDK to enable communication between Android apps and devices.
- Implemented silent OTA (Over-The-Air) firmware updates using a background service.
- Handled remote device connection events and triggered updates without user interaction.
- Managed firmware download, integrity validation, and installation using SDK callbacks.
- Tested the complete OTA process on remote control units and set-top box (STB) devices.
- Identified and resolved SDK integration issues during development, improving overall system stability.

Smart Device Control App for watchOS

(Ongoing at Universal Electronics)

- Tools & technologies used: SwiftUI, watchOS
- Developed a watchOS app to connect with and control multiple smart devices.
- Implemented UI for managing device features like temperature control and mode switching.
- Integrated real-time device status updates and control commands using custom SDK APIs.
- Designed a smooth navigation flow starting from a custom entry view instead of the default ContentView.
- Tested the app on actual watchOS devices to ensure responsiveness and low latency in commands.
- Collaborated with backend and firmware teams to ensure seamless communication between watch and devices.

My Portfolio

(I have developed a professional web page to showcase my skills and projects.)

- Tools technologies used : HTML, CSS, JavaScript.
- Designed and developed a responsive portfolio website to display my projects, skills, and contact information.
- Implemented interactive features and animations to enhance user engagement and experience.

Food Delivery Website

(I have developed a professional website that includes an order form.)

- Tools & technologies used : HTML, CSS
- Designed and developed food delivery website with online ordering and interactive menu for seamless user-experiences. Improved CSS skills through this project

Potholes Reporting App

(Built Android app to report potholes with location and image. Used Google Maps and Firebase for real-time storage and sync.)

- Tools & technologies used: Java, Android SDK, Firebase, Google Maps API, XML
- Enabled users to capture and submit pothole data with real-time updates via Firebase.
- Displayed reported potholes on an interactive map view.

Technical Skills And Interests

- | | |
|---|---|
| • Languages: Java (DSA), JavaScript, TypeScript | • Soft Skills: Communication, Presentation, Teamwork, Problem Solving |
| • Web Development: HTML, CSS | • Tools & Platforms: Git/GitHub, Android Studio, Xcode, VS Code, IntelliJ IDEA |
| • Mobile Development: React Native, Android(Java), SwiftUI | |
| • Cloud/Databases: MySQL, firebase | |

ACHIEVEMENTS

Naukri Campus Young Turks | Naukri

- Participated in an online aptitude and reasoning test conducted by Naukri Campus.

Codekaze'24 | Coding Ninjas

- Participated in CodeKaze 2024 by Coding Ninjas and secured a rank of 1541.

CERTIFICATIONS

Introduction to Cybersecurity- CISCO

HTML, CSS, JavaScript- Coursera

DJANGO USING PYTHON(WORKSHOP)- ShapeMySkills

Signature

(Kartikeya Gupta)