Deepak
Software Android Developer

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OBJECTIVE

I am a highly motivated and skilled Full Stack Android Developer who holds a Diploma in Computer Engineering. My expertise lies in Kotlin programming, web development, and mobile app development. I am actively seeking a challenging role where I can apply my knowledge and skills to contribute to innovative projects.

EDUCATION

Ambedkar DSEU Shakarpur Campus-I

Diploma - Computer Engineering   2020-2023
- CGPA : 87%

- Coursework: C & Java programming, Data structure & Algorithm, Database management system, Object Oriented Programming, Software Engineering, Operating system, Computer networks, Computer Graphics, Network security,

CBSE Board Delhi

Senior Secondary - XII   2017
- XII CGPA : 7.7

PROJECTS

Notes app
- Developed Java-based Notes app with Firebase Authentication for secure user login and registration.
- Utilized Firebase Firestore to store user data and notes, ensuring data persistence and synchronization across devices.
- Implemented user-friendly UI for seamless note creation, viewing, updating, and deletion.
- Personalized note-taking experience with color options for enhanced visual appeal.

To-Do list app
- Developed a To-Do list app in Java following the MVVM architectural pattern.
- Utilized Room, a SQLite database abstraction, for efficient task management and storage.
- Designed a modern and intuitive UI to enhance the user experience.
- Implemented MVVM to separate concerns, ensuring easier maintenance and scalability of the application.

Tic Taco App
- Implemented a user-friendly interface with a grid layout to simulate the game board.
- Integrated logic to handle player moves, check for a winning condition, and display the results.
- Utilized Java programming language for game logic and Android XML for UI design.

Dice Roller App
- Implemented a user-friendly interface with a button to roll the dice and a text view to display the rolled number
- Utilized random number generation logic to simulate rolling a dice with three faces (1, 2, and 3)
- Incorporated animations and sound effects to enhance the user experience.
- Built the app using Java programming language and Android XML for UI design.

BMI Calculator App
- Implemented a user-friendly interface with input fields for height and weight
- Utilized BMI formula logic to calculate the BMI value based on the user's input
- Displayed the calculated BMI value along with a corresponding weight category (underweight, normal weight, overweight, or obese).
- Built the app using Java programming language and Android XML for UI design.

Virtual Personal Assistant
- The Virtual Personal Assistant project uses Python and the Open AI API to create a user-friendly program for daily task assistance.
- The assistant utilizes voice recognition, text-to-speech, and natural language processing to understand and respond to user commands effectively.
- Python's simplicity and extensive library ecosystem, combined with the Open AI API's machine learning capabilities, make it an ideal choice for developing advanced virtual assistants

Tour and Travel Website (Tech Mahindra Foundation · Internship)
- Developed a dynamic travel booking website with HTML, CSS, and JavaScript for an attractive and interactive user interface, incorporating PHP and MySQL for efficient server-side processing and data management.
- Integrated third-party APIs to provide real-time flight and hotel availability information, enabling users to search and book travel options with accurate and up-to-date details.
- Collaborated with a development team to meet project milestones, conducted thorough testing and debugging, and deployed the website on a local WAMP server with Apache for seamless testing and development.

Cloud Platform integration for Distance Measurement (Samsung Innovation Campus · Apprenticeship)
- Integration of ESP8266 microcontroller and ultrasonic sensor with ThingSpeak cloud platform enables reliable and efficient distance measurement using sound waves.
- ESP8266 microcontroller provides connectivity and processing power, facilitating seamless communication between the ultrasonic sensor and ThingSpeak cloud platform.
- Ultrasonic sensor accurately measures distances by emitting sound waves and calculating the time for their return, making it ideal for non-contact distance measurement in robotics, automation, and security systems.

SKILLS

HTML	Android SDK	Cloud Computing	My SQL Lite
Java	Unit Testing		Jetpack Compose
C/C++	Integration	Kotlin	Android Applications
RESTAPI	Server	Python	Firebase

CERTIFICATIONS & TRANING

- **Project Intern**
  Samsung Innovation Campus ,
  India · On-siteDelhi, India · On-site
  Skills: Python (Programming Language) · Embedded Systems · Raspberry Pi · Arduino IDE · GitHub · Git · Internet of Things (IoT) · Smart Devices.

- Samsung Innovation Campus (SIC) is an educational initiative by Samsung that offers training and learning opportunities in various technological fields. One of the key areas of focus at the Samsung Innovation Campus is the Internet of Things (IoT). IoT refers to the network of interconnected devices that can communicate and exchange data with each other.
- Students at the Samsung Innovation Campus learn about IoT technologies and applications. They gain knowledge in programming languages such as Python, which is widely used in IoT development, as well as concepts related to Raspberry Pi and embedded systems. Raspberry Pi is a small, affordable computer that can be used to build IoT prototypes and projects. Embedded systems refer to computing systems designed for specific tasks or functions, often integrated within other devices.

- **Internship**
  Tech Mahindra Foundation
  India · On-siteDelhi, India · On-site
  Skills: HTML5 · Cascading Style Sheets (CSS) · PHP · JavaScript · MySQL· Apache Server .

- The Tech Mahindra Foundation offers education and training in soft skills, which involve developing interpersonal and professional abilities like communication, teamwork, problem-solving, and leadership

to enhance employability and career growth. Additionally, they focus on providing technical web development skills encompassing programming languages (HTML, CSS, JavaScript) and frameworks (React, Angular, Node.js), along with knowledge of database management, server-side scripting, and web security. These skills enable individuals to design, build, and maintain websites, create dynamic web experiences, handle data effectively, and ensure the security and performance of web applications.

- **Certifications**

Android Application Development

Great Learning

Skills: Integration Testing · Kotlin · Java · Android SDK · Mobile Applications · Android Development · Android Jetpack · REST APIs · User Interface Design Skills: Integration Testing · Kotlin · Java · Android SDK · Mobile Applications · Android Development · Android Jetpack · REST APIs · User Interface Design

Introduction to Android Studio

Simplilearn

Skills: Android Architecture · SDK development · XML · Android Studio · SQL lite · Servers