

Naveen Singh

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Summary

Mobile App Developer with hands-on experience in designing, developing, and deploying Android applications using Kotlin, Java, and XML. Ability to quickly learn and implement new technologies. Self-motivated, Strategic thinker.

Education

B. Tech (CSE)	June 2022 –Ongoing	VIT Bhopal University	8.53/10
Class XII	July 2021	Sunbeam School Varuna	89.8 %
Class X	May 2019	Sunbeam School Varuna	91.8 %

Skills

- Android App Development: Kotlin, XML, Android Studio
- Languages: Java, C++, Python, Javascript.
- Databases: Firebase, JDBC-ODBC, MySQL, PLSQL
- Tools: Git/GitHub, VS Code, Android Studio, IntelliJ Idea, Pycharm.
- Iot and Robotics: Arduino, ESP32, Arduino IDE.
- Machine Learning: Support Vector Machines (SVM), Decision Trees, Random Forest, Agglomerative Clustering, K-Means, Bayesian Networks, Apriori Algorithm
- Miscellaneous: Leadership, Teamwork, Time Management, Quick Learning

Certifications

HTML, CSS, and JavaScript for Web Developers, Coursera	2023
Google - The Bits and Bytes of Computer Networking	2023
Cloud Computing, NPTEL	2024

Projects

Volume Calculator App

[GitHub](#)

- The Volume Calculator App allows users to calculate the volume of various geometric shapes.

Technical Requirements

- Tech Stack: Built on Android Studio Using Kotlin & XML, Material Design.
- Backend: Kotlin to create a calculation logic for each geometric shape, using mathematical formulas.
- Frontend: The UI is designed using XML, which includes a grid view layout of shapes.

Key Features

- Multi-Shape Support: The app supports calculation of volume for multiple geometric shapes, including cones, cubes, cuboids, cylinders, prisms, and spheres.
- Real-time Calculation: The app performs calculations in real-time, providing instant results as the user inputs the dimensions.

Planets App

[GitHub](#)

- The Planets View App displays a list of planets in our solar system, along with their names, photos, and number of moons.

Technical Requirements

- Tech Stack: Built on Android Studio Using Kotlin & XML, Material Design, ListView
- Backend: Kotlin to create a data model for the planets, which includes the name, photo URL, and number of moons for each planet.
- Frontend: ListView to display the list of planets.

Key Features

- Efficient List Display: The ListView is used to efficiently display the list of planets, allowing for smooth scrolling and minimal memory usage.
- Customizable Layout: The custom layout for each item in the ListView can be easily modified to include additional information, such as planet size or distance from the sun.

Grocery App

[GitHub](#)

- The Grocery App facilitate online grocery shopping which allows users to browse and view a list of groceries, including their names and images.

Technical Requirements

- Backend: Kotlin to create a data model for the groceries, which includes the name and image URL for each item.
- Frontend: RecyclerView to display the list of groceries. Each item in the RecyclerView is represented by a custom layout that includes a TextView for the name and an ImageView for the image.

Key Features

- Efficient List Display: The RecyclerView is used to efficiently display the list of groceries, allowing for smooth scrolling and minimal memory usage.
- Customizable Layout: The custom layout for each item in the RecyclerView can be easily modified to include additional information, such as prices or descriptions.
- Image Caching: The image loading library is used to cache images, reducing the need for repeated network requests and improving app performance.

Currency Converter App

[GitHub](#)

- The Currency Converter App allows users to convert US Dollars (USD) to Euros (EUR) in real-time.

Technical Requirements

- Backend: Kotlin to create a currency conversion logic that retrieves the current exchange rate.
- Frontend: The user interface is designed using XML, which includes a simple layout with input fields for USD amount, a convert button, and a text view to display the converted EUR amount.

Key Features

- Real-time Conversion: The app converts USD to EUR in real-time, using the latest exchange rate.
- Simple User Interface: The app features a minimalistic design, making it easy for users to input the USD amount and view the converted EUR amount.
- Error Handling: The app includes error handling to handle cases such as API downtime, network errors, or invalid user input.