**M. SAJEEL HASAN**

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| **Education** | |
| **University Of Karachi - UBIT**  Bachelor of Science (B.S.) Software Engineering  In Progress   |  |  | | --- | --- | | **Profile** | | | Motivated software engineer skilled in **Dart, Python, and Flutter,** with hands-on experience developing mini-projects and solving coding challenges. Completed an internship at **CIME (Aga Khan University),** gaining experience in **simulation technology, programming, and troubleshooting simulators.** Passionate about **AI and software innovation,** eager to apply technical expertise to impactful real-world projects. |  | |  |
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| **Experience** | |
| **Tech Analyst (Volunteer MAY 2024- MAY 2025)**  **The Aga Khan University’s Centre for Innovation in Medical Education (CIME)**  • Contributed to simulation-based healthcare education by supporting and preparing high-tech simulators for medical training sessions.  • Designed and developed a Python-based chatbot to guide visitors and students about CIME facilities, enhancing user engagement and accessibility, which was later deployed inside a robotic prototype to enhance user interaction with a physical interface.  • Assisted in setting up, running, and maintaining simulation equipment and scenarios used in medical training.  • Worked closely with simulation specialists and educators to prepare customized technical setups for different simulation sessions. |  |
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| **Projects** |  |
| **Book Finder App - Flutter, Dart, Firebase Authentication, Firestore Database, Provider, Dio**  • Integrated Firebase Authentication for secure user login and signup functionality. • Utilized Dio for efficient API calling to fetch and display book data dynamically.  • Implemented Cloud Firestore to store and manage users’ favorite books in real time.  • Managed application state using Provider, ensuring smooth and responsive UI updates.  • Gained expertise in API integration, Firebase services, and state management while building a scalable app architecture.  **Blog App (Daily Stories) - Flutter, Dart, Local Storage, State-management, login Authentication**  • Implemented secure login/signup using Flutter Secure Storage for user authentication.  • Integrated multiple APIs to perform CRUD operations and fetch dynamic content.  • Managed app state efficiently using Provider, ensuring responsive and scalable UI.  • Developed expertise in API integration, secure storage, state management, and advanced Flutter development.  **COVID TRACKER APPLICATION - Flutter, Dart, REST API**  • Built a Flutter mobile app to track global and country-wise COVID-19 statistics using a public REST API.  • Designed a clean, responsive UI with custom layouts, search, and filtering for improved usability.  • Implemented navigation & async data handling (Future, async-await, FutureBuilder) with error handling for smooth user experience.  **Notepad + To-Do (NoteIt) - Flutter, Dart, Local Storage, State-management**  • Implemented pinned notes, multiple selection, and search functionality, enhancing logical thinking and feature integration.  • Utilized SharedPreferences for persistent storage and Provider for efficient state management.  • Added light & dark themes for improved UI/UX and app personalization.  • Gained experience in logic building, multi-item operations, and scalable Flutter app development. |  |