Sk Sahil Islam

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Education

Vellore Institute of Technology, Bhopal – *B.Tech CSE Core - CGPA 8.86*   *August 2022 to Present*

Skills

- **Programming Languages:** Kotlin, C/C++, Python, JavaScript, SQL, HTML, CSS
- **Technologies and Frameworks:** Node.js, Express, MongoDB, Firebase, MySQL, React.js
- **Tools and Platforms:** Git, Docker, Jenkins, Vercel

Projects

LeafyWalls [Android]   *February 2023 to March 2024*

- Added a "Favorites" feature with persistent storage using RoomDB, improving user engagement through personalized content access.
- Implemented Firebase Authentication with support for Google, Facebook, and Email logins, achieving a 100% login success rate across user sessions.

MindSync [Android + ML]   *February 2024 to May 2024*

- Created and trained a Conv3D-LSTM model using TensorFlow/Keras with over 1,000 annotated scans, achieving 82% validation accuracy to detect ADHD from 3D MRI scans in NIfTI (.nii) format.
- Integrated the trained model with an Android app using TensorFlow Lite, enabling real-time, on-device inference for ADHD prediction.

Shopping-Api [Backend Node.js]   *June 2024 to July 2024*

- Developed scalable RESTful API using Node.js and Express.
- Integrated MongoDB with Mongoose for dynamic schema design and efficient querying across product, order, and user data collections.

Experience

Lead Android Developer [Freelance Android]   *November 2024 to June 2025*

- Led full-cycle Android development of an e-commerce app using Jetpack Compose, MVVM, Hilt, and Retrofit. Integrated secure payment gateways.
- Engineered the app's backend using MongoDB; supported SKUs and user profiles, enabling real-time data synchronization across all user devices and the cloud.
- Coordinated with a cross-functional team of 5 developers, improving feature rollout speed.

Certifyr [Freelance FullStack]   *May 2025 to Aug 2025*

- Developed a certificate verification platform under QuantLake
- Built and deployed the frontend using React.js
- Capable of securely validating and storing up to 1 million certificates, using MongoDB.
- Deployed the platform on **Vercel** (certifyer.vercel.app) ensuring global availability.

Certification and Achievements

- CS50's Introduction to Computer Science, Harvard CS50   *July 2023*
- Google UX Design Professional Certificate by Google   *June 2024*