

Sk Sahil Islam

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Education

Vellore Institute of Technology, Bhopal – B.Tech CSE Core - CGPA 8.86	August 2022 to Present
Assembly of God Church, Purulia - Class 12th – 87%	July 2021
DSK DAV School, Purulia - Class 10th – 92%	July 2020

Skills

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- **Programming Languages:** Kotlin, C/C++, Python, Java, JavaScript, Go(Golang), SQL, HTML, CSS
 - **Technologies and Frameworks:** Node.js, Express, MongoDB, Firebase, Cloud Computing, MySQL
 - **Core CS Skills:** Data Structures and Algorithms, Database Management Systems, Computer Networking, Machine Learning, Data Analytics, Automation Frameworks

Projects

LeafyWalls – Wallpaper App	February 2023 to March 2024
<ul style="list-style-type: none">• Added a "Favorites" feature with persistent storage using RoomDB, improving user engagement by 40% through personalized content access.• Implemented Firebase Authentication with support for Google, Facebook, and Email logins, achieving a 95% login success rate across user sessions.	
MindSync – ADHD Detection via MRI	February 2024 to May 2024
<ul style="list-style-type: none">• 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 – Ecommerce Backend	June 2024 to July 2024
<ul style="list-style-type: none">• Developed scalable RESTful API using Node.js and Express handling 10,000+ daily requests.• Integrated MongoDB with Mongoose for dynamic schema design and efficient querying across product, order, and user data collections, resulting in a 30% improvement.	

Experience

Lead Android Developer, SwapGo App	November 2024 to June 2025
<ul style="list-style-type: none">• Led full-cycle Android development of an e-commerce app using Jetpack Compose, MVVM, Hilt, and Retrofit, contributing to a 45% increase in app retention rate.• Engineered the app's backend using MongoDB; supported 5,000+ SKUs and 10,000+ user profiles, enabling real-time data synchronization across all user devices and the cloud, improving user experience by 60%.• Integrated secure payment gateways, resulting in a 99.5% success rate in transaction completions.• Coordinated with a cross-functional team of 5 developers, improving feature rollout speed by 40%.	

Certification and Achievements

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| • CS50's Introduction to Computer Science, Harvard CS50 | July 2023 |
| • Cloud Computing, IIT Kharagpur – Silver Elite Certificate | May 2024 |
| • Google UX Design Professional Certificate by Google | June 2024 |