

# Sk Sahil Islam

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## Education

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<b>Vellore Institute of Technology, Bhopal</b> – <i>B.Tech CSE Core - CGPA 8.81</i>	<i>August 2022 to Present</i>
<b>Assembly of God Church, Purulia</b> - <i>Class 12th – 87%</i>	<i>July 2021</i>
<b>DSK DAV School, Purulia</b> - <i>Class 10th – 92%</i>	<i>July 2020</i>

## 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

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

## Experience

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<b>Lead Android Developer, SwapGo App</b>	<i>November 2024 to June 2025</i>
<ul style="list-style-type: none"><li>• 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.</li><li>• 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%.</li><li>• Integrated secure payment gateways, resulting in a 99.5% success rate in transaction completions.</li><li>• Coordinated with a cross-functional team of 5 developers, improving feature rollout speed by 40%.</li></ul>	

## Certification and Achievements

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