

Akshit Singh

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Education

VIT Bhopal University <i>B.Tech in Computer Science and Engineering</i>	2022 – Present <i>CGPA: 8.92 / 10</i>
Delhi Public School, Indirapuram <i>Intermediate (Class XII)</i>	2021 – 2022 <i>91.2%</i>
Delhi Public School, Indirapuram <i>High School (Class X)</i>	2019 – 2020 <i>91.2%</i>

Technical Skills

Languages: Kotlin, Java, Python, C++, SQL

Backend & Cloud: Ktor, REST APIs, AWS, Firebase

Frameworks & Tools: Jetpack Compose, Room DB, Retrofit, StateFlow, Git, Coil, Koin, MVVM

Projects

Breach Checker App – Designed and implemented a breach detection app by integrating the HaveIBeenPwned API with Retrofit and Ktor, enabling users to securely verify compromised accounts in real time. – Utilized StateFlow, ViewModel, and Jetpack Compose to create a reactive and lifecycle-aware UI, improving user experience and application stability. – Ensured robust architecture with MVVM and asynchronous coroutines, allowing efficient API calls, error handling, and maintainable code.	<i>Kotlin, Compose, Ktor, StateFlow</i>
Phishknot – Phishing Detection Tool – Developed a phishing detection tool using a CNN-based deep learning model trained on URL, HTML, and JavaScript features, achieving high accuracy in classifying malicious sites. – Deployed the model with a Flask API, enabling integration with web clients for real-time phishing threat detection and analysis. – Evaluated model effectiveness using F1-score, precision, and recall to ensure reliable performance in real-world use cases.	<i>Python, TensorFlow, Flask</i>
Session Attendance Management System – Built an attendance management system where each session is editable, enabling faculty to add or delete student records and remove entire sessions as needed. – Implemented session-wise search and filtering features, allowing users to retrieve attendance records quickly and accurately. – Applied MVVM architecture with Coroutines and Flow to ensure offline-first functionality and scalable code structure.	<i>Kotlin, Jetpack Compose, Room DB</i>

Experience

Cross-Platform App Developer <i>Client Project via Internshala (Remote)</i> – Developed two e-commerce applications : one for customers to browse and purchase products, and another for shopkeepers/admins to manage inventory, orders, and transactions. – Implemented secure authentication flows using AWS Cognito, JWT, and token-refresh mechanisms, ensuring robust access control and session management. – Built scalable backend services with AWS Lambda, API Gateway, and DynamoDB, while applying clean architecture and MVVM for maintainable codebases.	Feb 2025 – Mar 2025
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Co-Curriculars and Achievements

- Qualified for inter-college round of Smart India Hackathon 2023.
- Awarded Academic Excellence for 7 consecutive years.
- Worked part-time at Invitalia Café—managed operations, customer experience, and service quality.
- Football team member—Runner-up at ADVITYA, Winner at AARAMBH.

Certifications

Introduction to Cloud Computing, Java Programming I – University of Helsinki; Mastering DSA in C/C++ – Abdul Bari (Udemy); Accenture Go For Gold; Python Programming; Cyber Physical Systems – NPTEL