

Shubham Agrawal

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PROFILE

Google Certified Associate Android Developer with a knack for turning coffee into clean, efficient code. Proficient in various programming languages and excited to contribute to innovative projects. Strong communicator and collaborative team player with a keen eye for detail and a drive to continuously learn and adapt in the dynamic field of Software Development.

WORK EXPERIENCE

Private Identity LLC

Senior Android Developer

Remote

Oct 2025 – Present

- Working on building Android OS face identity in Ultrapass Authenticator using FIDO2 webauthn
- Built various use-cases for large clients for face-identity, voice-identity, document-verification

Perfios Software Solutions Pvt. Ltd

Senior Android Developer

Bengaluru, India

April 2022 – Sep 2025

- Built Android SDK serving 2M+ users and 100+ clients with 99.9% crash-free rate.
- Developed cross-platform JSON parser, reducing UI development cost by 45%.
- Designed and executed automated test suites for Android using Espresso, focusing on mobile UI automation, regression testing, and end-to-end feature validation.
- Integrated AWS Kinesis & WebRTC handling 100K+ requests/day with less than 1s latency.
- Collaborated on cross-platform development using React Native for bridging SDKs and Flutter application.
- Engineered SDKs real-time Liveness detection using CameraX increasing the detection time by 68%.

Kings Learning Pvt. Ltd (enguru)

Android Developer

Bengaluru, India

April 2020 – April 2022

- Managed app with 10M+ downloads and 50K daily users; app rating improved to 4.6.
- Cut app size by 40% via modular delivery; improved load time by 35%.
- Launched gamified learning modules raising engagement.
- Implemented Espresso-based automated regression tests to verify key learning flows, significantly reducing manual QA time.
- Integrated Juspay for efficient and seamless payment processes, increasing successful payment by 20%.
- Utilised the CameraX library to implement Cambridge Assessments Proctoring.

Pitney Bowes

Associate Software Developer

Noida, India

June 2018 – April 2020

- Built SDK for shipping label generation; reduced shipping time by 30%.
- Automated object measurement pipeline using Python/OpenCV and accuracy 95%.
- TensorFlow for image classification, specifically for logo and shipping label identification.
- Integrating Google Text Vision and ML-Kit Model for address verification.
- Worked IOT devices for printing shipping labels.

EDUCATION

University of East London

Master's Computer Science

Relevant Coursework: Artificial Intelligence & Machine Learning, Cloud Computing

London, UK

2024 - 2025

Amity University

Bachelor of Technology and Engineering - CSE

Classification: 7.90 GPA Relevant Coursework: Computer Science & Engineering

Noida, India

2014 - 2018

ADDITIONAL SKILLS

- **Mobile Development** – Android, Kotlin, Coroutines, Java, Android, MVVM, Firebase, AI, AR Core, TensorFlow, DI, MVP, Unit Testing, Dagger, Git, Jetpack Compose
- **Web Development** – HTML, CSS, Bootstrap, CodeIgniter, PHP, JavaScript
- **Other Skills** - Ability in Python, C++, C, Git, CI/CD Pipeline, AWS Lambda, React- Native, Architecture Diagram, Agile Methodology, Scrum.
- **Soft Skills** – Leadership, Communications, Teamwork and problem-solving abilities.

PROJECTS

- **Server Driven UI**- A wrapper to drive UI from server using JSON based schema using Divkit Library - <https://github.com/shubh261096/SDUI/>
- **ESG Risk Analysis and Greenwashing Detection** – Developed a regression model to predict ESG risk and greenwashing for S&P500 companies using classification algorithms like Random Forest. Deployed on Streamlit server - https://github.com/shubh261096/ESG_Research/
- **PDF Reader Library** - A PDF Viewer library to load the pdf using pdf URL in offline and online mode. The library uses AES encryption to secure the contents of the file. It uses a cache manager and can pinch to zoom in and out - <https://github.com/shubh261096/PDFReader>
- **3D Measurement Android Application** - Based on Google Measure App, for Box Measurement and to be used in Pitney Bowes SMB Shipping Solution - <https://github.com/shubh261096/measurementapp>
- **Logo Image Classification** - An Android Application for detection of Pitney Bowes Logo by training machine learning model - https://docs.google.com/document/d/1Z8w_ad2GsorQq-sjXnjaZ9anA-paochgOIYo9GX-5p4/edit
- **Lazyclick** – Adding WhatsApp Login to your app/website - <https://lazyclick.in>

CERTIFICATIONS

Google Associate Android Developer - 2018

Certification was a two round test which included developing, testing a TODO application in the first round and an Interview in the second.

Credentials Link-

<https://www.credential.net/mn0vkgba?key=9d049b20cff848a3f0ebef94e64c2571304f8eab993a83b14a705c4b289adb14>

ADDITIONAL SKILLS AND INTEREST / AWARDS AND ACHIEVEMENTS

Languages: English (Fluent), Hindi (Native)

Interests: Reading Books, Adventure Sports, Travelling the World, Listening R&B Music