

# Shubham Agrawal

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## PROFILE

Google Certified Associate Android Developer with a knack for turning coffee into clean, efficient code. Pursuing my Master's in Computer Science from the University of East London studying AI and Cloud Computing with a passion for coding and Problem-Solving. 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.

## 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, UK

**2014 - 2018**

## WORK EXPERIENCE

### **Perfios Software Solutions Pvt. Ltd**

Senior Android Developer

Bengaluru, India

**April 2022 – Dec 2023**

- Led development and optimization of Android and iOS SDK ecosystems
- Implemented Server Driven UI using DivKit and UI Kit in iOS and Jetpack Compose.
- Integrated web-etc for real-time video and audio communication. Used Sockets for two-way communication.
- Collaborated on cross-platform development using React Native for bridging SDKs.
- Engineered SDKs for e-PAN download and Liveness detection
- Written scripts on Java and Python project to download apps from the Play Store.

### **Kings Learning Pvt. Ltd (enguru)**

Android Developer

Bengaluru, India

**April 2020 – April 2022**

- Developed and enhanced enguru applications, ensuring continuous improvement and feature expansion.
- Integrated Juspay for efficient and seamless payment processes, enhancing the user payment experience.
- Utilised the CameraX library to implement Cambridge Assessments Proctoring.
- Constructed a PDF Viewer AES-encrypted library, enabling the secure reading of Penguin Readers Club Books.
- Implemented the use of Dynamic Feature modules to reduce the size of the application.

### **Pitney Bowes**

Associate Software Developer

Noida, India

**June 2018 – April 2020**

- Developed SDKs for Send Pro Shipping Solution workflow from order creation till printing labels.
- Leveraging Python and OpenCV for precise object measurement from 2D images.
- TensorFlow for image classification, specifically for logo and shipping label identification.
- Utilising Samsung KNOX Configure for Mobile Device Management (MDM).

- Integrating Google Text Vision and ML-Kit Model for address verification.
- Worked on BLE and IOT devices for printing shipping labels.
- Implementing Google AR Core for object measurement, utilising augmented reality for measurement

## **ADDITIONAL SKILLS**

- **Mobile Development** – Android, Kotlin, Coroutines, Java, Android, MVVM, Firebase, AI, AR Core, TensorFlow, DI, MVP, Unit Testing, Dagger, Git
- **Web Development** – HTML, CSS, Bootstrap, CodeIgniter, Hostinger, 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**

- **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](https://docs.google.com/document/d/1Z8w_ad2GsorQq-sjXnjaZ9anA-paochgOIYo9GX-5p4/edit)
- **Lazyclick** – Adding WhatsApp Login to your app/website - <https://lazyclick.in>
- **Apsdeoria** – A school Management Website with Android application - <https://apsdeoria.com/apszone/dashboard>

## **CERTIFICATIONS**

### **Google Associate Android Developer - 2018**

Certification was 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