Anmol Uppal

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Passionate for solving real-world technical challenges. Experienced in building robust and efficient applications for mobile systems.

EXPERIENCE

Bobble.ai, Gurgaon — *R&D Engineer*

July 2015 - PRESENT

Bobble Keyboard is a mobile keyboard application for Android and iOS, which provides a smoother and intelligent keyboard experience in all major Indic languages(>20).

- Contributed in building facial caricature algorithm from scratch.
- Modified Google AOSP LatinIME source for proprietary requirements.
- Contributed in reducing keypress lag time by factor of 2x–3x.
- Contributed in scraping and cleaning text for 20+ Indic languages

EDUCATION

NIT Srinagar, J&K — *Bachelor Degree CS*

August 2011 - July 2015

This academic program enabled me to absorb the basic concepts of Computer Application and Software Development. The final year project involved an Automatic Attendance System, which utilized the concepts of *Android, Computer Vision* and *DBMS*. It allowed the students to view their attendance in real time while also relieving the teacher's tedious task of daily attendance.

PROJECTS

Facial Caricature — *USP of Bobble Keyboard*

Developed the proprietary technology for detecting Facial landmarks and automatic extraction of face from the input image. Details

GPU Gif Encoder — *Making the GIF encoding 4x faster*

A first of its kind GPU based GIF encoder. Details

Gesture Typing — *Swype Typing Keyboard*

Gesture Typing. Fastest Typing. Details

SKILLS

Python, C++, Java

OpenCV, Tensorflow, Android, ML, Data Structures and Algorithms, NDK, JNI, Design Pattern

LANGUAGES

English