Shashank Gaurav

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CAREER OBJECTIVE

To get a professional and personal grow up inside the company where I can share, apply and enhance my knowledge & abilities, through commitment, discipline & team work for achieving the company objectives.

EDUCATIONAL QUALIFICATION

Examination	Institute / School	University / Board	Year of Passing	Result (%)	Class / Grade
B.E. (Computer Science Engg.)	Dr. D.Y. Patil Institute Of Engineering & Technology,Pune	University of Pune	2014	56.88	Second Class
12th	DAV Public School, Bilaspur, C.G.	C.B.S.E.	2008	60.2	First Class
10th	DAV Public School, Bishrampur, C.G.	C.B.S.E.	2006	70.4	First Class

TECHNICAL SKILLS

- Programming Language very much comfortable with – C, C++, Android Application Programming.

- Deep knowledge of applications and services of MS Windows, MS Office.

ACADEMIC PROJECTS / SEMINAR

1) FINAL YEAR PROJECT: **"Context Aware Group Communication System"**
   Team Size- 3
- The objective of the project was the development of an android application based on augmented reality to maintain awareness of the context as well as communication between the users.

2) THIRD YEAR SEMINAR: "**Functional Programming Languages** (FPL)"
- The objective of the seminar was to give a brief knowledge about Functional Programming Languages, its applications in contemporary software technologies and its future perspectives.

INDUSTRIAL EXPERIENCE

- Working at Navriti Technology as Android Developer Trainee from past two months (as on 14 April 15), with more than average, prior knowledge of android application programming.

Projects worked on-
- Certiplate, android application used by the company on the Tab for the assessment purpose.

Purpose of the application-
The mentioned application is used for providing ease in conducting the assessment process, according to the standard mentioned by the company for which the assessment is being carried out. For the assessment, a test is scheduled on a specific date, with a bundle of question sets and candidate Ids provided the by the client company. A proper authorization process is carried out before the commencement of the test. At the time of assessment, question paper and candidate Ids are fetched from the server on the Tab. After the test conclusion, a response XML file for each candidate Id and videos associated *(depends on the pre-mentioned question type)* is generated and uploaded to the server. On the basis of the responses, industrial abilities of the labourers assessed is decided and are certified.

Jobs done and areas gone through, under the project-
- Enhanced and optimised the UI and few functional requirements of the application.
- Learnt the **XML parsing** mechanism of the data response received from the server.
- Included functionalities for the **Location services**, fetching location from the GPS as well as from the network provider (which ever readily available).
- Enhanced the methods for generating the assessment response according to the requirement for providing extra functionalities in the system and ease to the server end in handling the response.
- Implemented method for uploading the assessment response (generated XML file and videos) in **chunks**, to avoid crashing of the application.
- Learnt and made the devices compatible to show local Indian languages.
- Gone through and understood the functions used for managing the **SQLite database** on the device.
- Gone through and understood the flow of each and every component of the application written in Native Java and few components written in JavaScript on my own in a very short time period.

- CLCS android app. Application for a third party company named LabourNet.

Purpose of the application-
LabourNet is a firm which is indulged in the business of training the grey collared workers of different industries and unemployed but willing to work persons, and seeks help for their assessment from Navriti, and help them in getting jobs. So, it maintains proper reports of the every development like the commencement and concluding date of every batch, centre for each batch, centre manager, batch strength, etc. and many more reports like that. For maintaining and providing all this data Navriti has developed a product named CLCS (A desktop version and a mobile version). At this point of time the job of the application is to fetch the huge report data from the server, and show it to the user on a user-friendly Interface with providing ease in switching between the reports.

Jobs done under the project-

- Designed and developed the whole application from the **scratch to the end** (upto the fulfilment of the short term requirements) on my own, still working on it for additional future functionalities.
- Implemented a proper authorization process with a **session maintenance** facility co-ordinated with the server to avoid a situation of logging in again and again.
- Designed as much possible user-friendly UI, with the providing menu options where ever required and hidden where not required for avoiding any crashing scenario.
- Tried to design the UI with a thing in mind to provide a natural feel of interaction with the application, like providing a sense of buttons being pressed, displaying dialogs if any invalid optioned is clicked or while any background process is running.
- Implemented **Navigation Drawer** in the UI for easy switching between the reports and the options.
- Fragment Inflating has been implemented in the application with proper handling of the back stack, to provide as much possible ease to the user.
- All the required functions of the **fragment lifecycle** has been exploited to retain the overall progress and provide ease in switching between the apps.
- Method to check the internet connectivity has been implemented, and a toast is printed if connectivity is not found to prompt the user to make some arrangements for the internet (Wi-Fi or Mobile Internet).
- A background process in a **separate thread** has been used to download the report data from the server, after the confirmation of the connection availability to avoid any exception and any worthless use of resources.
- Function has been implemented to **parse the JSON** response downloaded, with very precise to handle null and empty values and missing attributes.
- The parsing method has been designed in such way that the extracted data from the JSON file is simultaneously stored in the **SQLite database**, excluding the use of any actor class resulting in reduction of time for storing the data in the database and space required for storing the data intermediately.
- For displaying the data in a table format the views and sub-views (TextViews and TableRows) are created **dynamically** in a **separate thread** to avoid any pre-allocation of the resources, and simultaneously the rows are added to a list view with the help of a **custom ArrayAdapter**.
- Tried to make the resulting TableRows, screen responsive for being compatible with varied no. of phones.
- As the data can be huge (for some of the reports), feature to show the most recent data is added with a functionality to "**load more**" in accordance with the **scrolling input** from the user.

EXTRA QUALITIES

- Fresher, but better than fresher from knowledge point of view.
- Team player, but can also handle things single-handedly.
- Quick grasping and retaining ability.
- Proficient in communication and soft skills.
- adaptive to new environment and work concept with ease

CO- CURRICULAR ACTIVITIES

- Participated in National level Technical Fests organized by different Engineering colleges.
- Attended technical seminars organized by Engineering colleges and software firms.
- Active member of "Rotract Club of Akurdi, Pune".

INTERESTS & HOBBIES

- Enhancing knowledge by going through the information available on the internet media.

- Computer Games, Travelling.
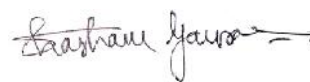
- Playing Cricket, Badminton.

PERSONAL DETAILS

Name	Shashank Gaurav
Date of Birth	15th July 1991
Father's Name	Sri Manoj Kumar
Permanent Address	S/O Sri Manoj Kumar C-27, Pragati Nagar, Dipka Dist. - Korba, Chhatisgarh Pin- 495452
Languages Known	Hindi, English
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DECLARATION

I hereby declare that the above mentioned information is correct to the best of my knowledge and I bear the responsibility for the correctness of the particulars mentioned above.

Date: 14/04/2015

(Shashank Gaurav)