

SHWETABH SINGH
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Objective:

A career which gives me a chance to exploit my interest in the field of Computer Science and Intelligent Systems, explore my talent and showcase my skills to do something out of the box. I want to gain valuable experience at a place where I would be able to enrich myself as a professional.

Education:

- Completed **B.Tech-M.Tech (Integ.)** in **Converging Technologies** with specialization in **Information and Communication Technology** from **Centre for Converging Technologies, Rajasthan University, Jaipur**. Aggregate of **76.28%**.
- **12th Standard (CBSE, 2008)** from Lovely Public Sr. Sec. School, Delhi with an aggregate of **82.2%**
- **10th Standard (CBSE, 2006)** from Lovely Public Sr. Sec. School, Delhi with an aggregate of **91.2%**.

Technical Skill set:

- Languages:
C, C++, Java (Advanced), Visual Basic and PHP (Basic), Haskell
- **iOS Development (Objective-C & Swift)**
- Database Management Systems:
MySQL, MS Access
- Platforms:
Windows, Linux (Ubuntu), Mac OS X
- **Matlab, OpenCV**

Experience:

- Working as an **iOS Developer at Appster India since November 2014**. I have total experience of 2 years. I Have worked on various projects during this span with Objective-C and Swift. Projects include :
 1. **ReadyDoctor** : An application for connecting to doctors and having video chat with them. App store link is :
<https://itunes.apple.com/ug/app/ready-doctor/id1037998174?mt=8>
 2. **MyPinyon** : A photos application where a user can put photos and create competitions and opinions. App store link is :
<https://itunes.apple.com/gb/app/mypinyon/id1012233756?mt=8>
 3. **MyFit** : A fitness application where you can connect with trainers and get video sessions with them. App store link is :
<https://itunes.apple.com/us/app/myfit-on-demand-fitness/id1041431474?ls=1&mt=8>
 4. **Wavework** : A event networking application where a user can check in events happening at places nearby and contact with people and have live chat with them.

Training & Projects:

- **Training at DTU:**
Worked under Professor O.P Verma, HOD, Dept. of Information Technology, Delhi Technological University (formerly Delhi College of Engineering) for a period of 14 weeks from 16th June 2012 to 31st August 2012 and 15th February 2013 to 31st March 2013. The training comprised of implementation of biologically inspired optimization algorithms for edge detection in images and data mining. Specifically Ant Colony Optimization Algorithm and Bacteria Foraging Optimization Algorithm.
- Worked for M.Tech thesis at Indraprastha Institute of Information Technology, Delhi (IIIT-D) under the guidance of Dr. P B Sujit and Dr. Saket Anand in the area of computer vision and image processing. The work undertaken is building 3-D models with the technique called structure from motion. I was responsible for building 3-D models of the IIIT-D campus from aerial and ground images. Also I was responsible for building maps of the campus from aerial images by the technique of mosaicing (stitching images).
- **Practical Training at Resorsys India Private Limited:**
Worked for 2 weeks from 14th May 2012 to 31st May 2012. The scope of training was to Develop and design graphical and functional interface of an online monitoring system.
- **Online estate Agent Application:**
A web enabled Estate Agent including database entry, querying and searching with front end of PHP/HTML web pages using Apache server (WAMP) and MySQL (RDBMS).
- **Online Counseling Application:**
A student counseling application including database entry for students and institutes, querying, searching and managing entries with front end of J2EE (Eclipse) including JSP, Servlets, Beans. Server used was Glassfish using JDBC/ODBC connectivity.

Publications:

- Research Paper titled “Microscopic Image Analysis of Nanoparticles by Edge Detection Using Ant Colony Optimization” is published in volume 11, Issue 3 (May - June 2013) of International Journal of Scientific Research-Journal of Computer Engineering (IOSR-JCE).

Interests & Contests:

- I have keen interest in Algorithms and Data Structures.
- I have actively taken part in Online Judges like SPOJ and CODECHEF. I have solved many algorithmic problems.
- Completed certificate course in German from Rajasthan University with aggregate of 69%.

Extra Curriculum Activities:

- Achieved 3rd position in Inter College Youth Festival organized by Rajasthan University in Debate.

- Achieved 2nd position in Dialectic (**Debate**) at **Verve 2012**, a Festival organized by Centre for Converging Technologies, Rajasthan University.
- Achieved 2nd position in Melody (**Singing**) at **Verve 2012**, a Festival organized by Centre for Converging Technologies, Rajasthan University.
- Received 3rd position at a **zonal level singing competition**.
- Regularly organized many events at the College Festivals every year.