

SHWETABH SINGH
28-D, Neelkanth Apartments,
46 I.P Extension, New Delhi-110092, India

shwetabhsingh10@live.com
+91-9811937144

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 Dialectric (**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.