Neha B

III year B.Tech
Information Technology
National Institute of Technology, Surathkal

Phone: **+91 8867665300**
email: neharao.nbr@gmail.com
Born: November 12, 1996—Udupi, Karnataka

Education

2014-18	B.Tech Information Technology, NITK, Surathkal
2014	II PUC, Canara Pre-University College, Mangalore
2012	SSLC, Canara High School, Urva, Mangalore

Honors & awards in Curricular Activities

2016	Offered Summer Internship as System Analyst at *Goldman Sachs*, Bangalore. **CGPA 9.45**/10 at the end of V sem, with a SGPA of **9.89** in V sem
2016	Runner-Up in the week long online app development hackathon,**code.fun.do**,conducted by ***Microsoft*** & selected for the Finalists' Forum.
2014	II PUC Karnataka State Board **97.2%**
2014	KCET Rank **163**
2012	SSLC Exam **618/625**,98.88% state rank **5**

Current position

Executive Member, Web Enthusiasts' Club, NITK
Executive Member, Artists' Forum, NITK
Executive Member, Dance Crew, NITK
Executive Member, Music Club, NITK

Academic Projects

Java

2016	*Online Portal for Birth Certificate Application* : An android application, using Microsoft Azure database for back-end information storage and retrieval. This app has been selected for the *Finalists' Forum contest*.
2015	*Hotel Booking Management System* : A software tool on NetBeans IDE for hotel booking management.The front end is a GUI written in Java and the customer booking data is stored as files. This data is accessed using File I/O in Java.
2015	*Cube Stormer (IEEE Project)* : The motto of this project being, to develop a bot that solves a 3x3 Rubic's cube. Worked on the basics of image processing in this.
2015	*Inventory Management System* : A software tool to handle inventory trade. The front end is a GUI written in Java and the trade details stored using SQL data bases.

Python

2016	*Semantic, Metasearch Engine* : On the fly Document Clustering using, Search Engine Vector Voting, a meta-search engine was built by scraping content out of 4 popular key word based search engine, Bing,Yahoo,AOL and Ask using Beautiful-Soup.

2016   *Parallel Implementation of an Image Segmentation Algorithm* : Parallel implementation of Otsu Algorithm was done using pymp and OpenMP (C++)

2016   *An Image Search Engine* : A software designed, based on OO-concepts to handle the matching of images with a good graphical user interface (GUI).The idea is to create a base table of images and then compare any new images against that to determine if the new image is an exact (or close) duplicate of the base. SIFT algorithm is used for image key-point computation. Tools used - PyCharm, OpenCV.

2016   *Automatic Image Annotation* : SIFT algorithm has been used for Key point computation.Optimization made include, use of Flann based matcher instead of Brute-Force Matcher, which takes O(n 2)time *&* Uniform resizing of images Lowe's ratio test. PyCharm, OpenCV, PyQt -tools used.

Web Application

2016   *Procurement Management System* : A database management system was developed for procurement management. MySQL and PHP was used for query execution, front end was developed in HTML,CSS.

Honors *&* awards in Co-curricular Activities

Passed Junior Grade, Senior Grade and Pre-Vidwath Grade Bharathanatyam examinations, Junior Grade Carnatic classical vocal examination, Junior and Senior Grade Drawing examination, all, with distinction.

Specially skilled in **Portrait Drawing.**

INTERNATIONAL LEVEL -1

Shankar's International Children's Art Contest- Silver medal.

NATIONAL LEVEL -16

- Qualified to receive Cultural Talent Search *Scholarship* Scheme 2010 from *Centre for Cultural Resources and Training, New Delhi* in the field of painting.
- First Prize in National Level Painting Competition of Bharat Scouts *&* Guides in the year 2007 *&* this painting has been featured on *Cover page of Scouts & Guides Seasons Greetings-*2008.
- Third prize at the National Level Painting Competition conducted by *TOYOTA- Dream Car Art Contest* 2009.
- All India Painting Competition conducted by Sri Ramakrishna Vijayam,in connection with Silver Jubilee celebration of National Youth Day 2010 – State Level prize.
- Has been recommended by the Women *&* Child development Dept for the ***National level Extra Ordinary Talent award*** in the field of art for the year 2010-11.

STATE LEVEL -39

- Presented with State level *Extraordinary Talent award* in the field of art by the Women *&* Child welfare Dept. for the year 2010-11, by **The Governor of Karnataka, Sri Hansraj Bharadwaj** himself.
- Second prize at the State Level Painting Competition Anche Kuncha organized by Shantivan Trust,Dharmastala, 2010.Was felicated by **The Education Minister, Karnataka, Sri Vishweshwara Hegde Kageri**, for the same.
- First prize in Painting Competition based on the Moral Book Chintana Kirana published by Shantivana Trust, Dharmastala (2007). Was honoured by **The famous cricketer, Sri Anil Kumble**, for the same.

Won ***in excess of 500 prizes*** in competitions related to various fields- curricular subjects, painting, singing, rangoli, Bhagavadgeetha recitation, sports, quiz, elocution, public speaking, essay writing, embroidery, flower arrangement, craft, Bharathanatyam , Bollywood dance , folk dance and so on.