



**Nimish Mangal**  
**Information Technology**  
**National Institute of Technology, Karnataka**  
**Email-nimish.mangal910@gmail.com**  
**<https://github.com/nimish04>**

**166564 16IT233**  
**UG Second Year**  
**Male**  
**DOB: August 4<sup>th</sup>, 1998**  
**Contact: 91+ 8602453008**

Examination	University	Institute	Year	CPI / %
Graduation, 2 <sup>nd</sup> year	NITK, SURATHKAL	NITK, SURATHKAL	2016-2020	8.97(till now)
Intermediate/+2	CBSE	DELHI PUBLIC SCHOOL	2015-2016	94.6%
Matriculation	CBSE	DELHI PUBLIC SCHOOL	2013-2014	10 cpga

## SCHOLASTIC ACHIEVEMENTS

- ALL INDIA RANK 2207 in JEE MAINS 2016 out of 13 lakh total candidates.
- Selected for NSEC (National Standard Examination in Chemistry) for the state level in the year 2015.
- Qualified for the second round of KVPY 2015.
- Secured National rank 133 in the second round of NSO in the year 2015.

## PROJECTS COMPLETED / UNDERTAKEN

- **MINI NETWORK ROUTERS** (AUG-NOV 2017)
  - Implemented using an advanced data structure i.e. Van Emde Boas Tree (VEB Tree).
  - Implemented in Python.
  - Used in Network Router (IPv4) to find unique ports.
- **PLAGIARISM DETECTOR** (FEB-APR2018)
  - Implementing it using different famous algorithms
  - Can be used to see the percentage of plagiarism between any two different files.
  - Implemented in Python
- **FIRST PERSON SHOOTER** (FEB-MAR2018)
  - Graphics made using Blender.
  - VR shooting game made in Unity.
  - Enemies approach us from all the possible directions
- **MINESWEEPER** (OCT 2017)
  - Implemented in the shell script.
  - User Interface is very interactive and everything is user defined.
  - Provided a special cheat code to easily win the game.

## RELEVANT COURSES UNDERTAKEN

- **DEPARTMENT COURSES AND LABS:** Data Structures, Design and analysis of algorithm, Paradigm of Programming 1-2, UNIX, Operating Systems, Communication and Networks and Computer Graphics

## SKILLS

- **LANGUAGES** - C, Python, Java, JavaScript, Bash, HTML, CSS, Socket Programming, C#.
- **PLATFORMS** - Android Studio, Unity, Bootstrap, NetBeans, Eclipse, Blender, Cisco Packet Tracer.
- **DATABASES** - MySQL.
- **INTERESTS** - Web Development, App Development, Algorithm Design, Data Structures, DB Connectivity, Machine Learning, Virtual Reality, Game Development.

## EXTRA CURRICULAR ACTIVITIES

- Was a part of Avanthi Fellows Mentorship Programme; visited nearby villages to educate the poor.
- Participated in a band as drummer in the Dhwanik event during Incident Festival of college.
- Have a good command over spoken and written English.
- Participated in the debates held at inter school level in Bhopal.