



VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR

SURBHI MAHAJAN

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Date of Birth : 25/12/1998

Objective : Being a keen and enthusiastic learner, I am looking forward to new opportunities and responsibilities which could help me apply and develop my technical and management skills.

ACADEMIC QUALIFICATION

Enrollment no: BT17ECE085

Branch of Study : Electronics & Communication Engineering

Current CGPA : 7.22/10

QUALIFICATION	INSTITUTE	YEAR	SCORE/SGPA	CGPA
B.Tech. 6 th Semester	Visvesvaraya National Institute of Technology, Nagpur	2020	6.76 of 10	7.22 of 10
B.Tech. 5 th Semester	Visvesvaraya National Institute of Technology, Nagpur	2019	7.78 of 10	7.31 of 10
B.Tech. 4 th Semester	Visvesvaraya National Institute of Technology, Nagpur	2019	7.12 of 10	7.18 of 10
B.Tech. 3 rd Semester	Visvesvaraya National Institute of Technology, Nagpur	2018	6.95 of 10	7.32 of 10
B.Tech. 2 nd Semester	Visvesvaraya National Institute of Technology, Nagpur	2018	7.67 of 10	7.49 of 10
B.Tech. 1 st Semester	Visvesvaraya National Institute of Technology, Nagpur	2017	7.32 of 10	7.32 of 10
CLASS XII(HSC)	Maharashtra State Board	2016	89.08%	--
CLASS X(SSC)	Central Board of Secondary Education	2014	96%	10

PROJECTS/ACTIVITIES

- **Portfolio Website**

A Responsive Portfolio Website built using HTML, Cascading Style Sheets & JavaScript. Knowledge of Bootstrap Framework also used for the responsive design.

- **Social Networking Implementation using Graphs**

A Social networking application (like Facebook, LinkedIn) with a user interface using Java using Graph Data Structure where in a person enters his details, finds mutual friends, colleagues who have studied in the same college as him etc. For the project, Graph Data Structure, Java Collections Framework and concepts of Object-Oriented Programming were used.

- **Cab Booking Management System**

A Java Graphical User Interface (GUI) application using Java Swing components in NetBeans was maintained for developing a Cab Booking System which maintained details of drivers and customers, calculated the fare, booking history etc. For the project, the Data structures LinkedList, HashMap and Java Collections Framework were used.

- **Social Media Profile App for Pets**

A fun Social Media App was made using Java GUI in NetBeans with the knowledge of the Java Swing components. For the project, OOPS concepts and Java Collections Framework were used.

- **Yagi Uda Antenna of 4 elements**

A Yagi Uda Antenna was built based on the design made on the software CADFEKO. Antenna specifications, resonant frequency, and basic construction required for the hardware was first designed on CADFEKO.

- **FM Transmitter**

A short-range, low-power FM radio transmitter that broadcasts a signal from a portable audio device (such as an MP3 player) to a standard FM radio. Built using transistors, power amplifiers and resistors, these transmitters the signal over an FM broadcast band frequency, so that it can be picked up by any nearby radio.

COMPUTER PROFICIENCY

- **Programming Languages:** Java, C
- **Website Designing:** HTML, CSS, JavaScript, Bootstrap
- **Database:** MySQL

ACHIEVEMENTS AND HONOURS

- Object Oriented Programming with Java- a Coursera Certificate
- Introduction to Relational Database & SQL- A Coursera Certificate
- Cambridge Certification Authority (CCA) Certificate- HTML Level 1
- Cambridge Certification Authority (CCA) Certificate- CSS Level 1
- Cambridge Certification Authority (CCA) Certificate- JavaScript Level 1
- Bagged 3rd position in quizzing show MI Four on the channel ZQ in August 2013.
- Bagged 1st position in Brain of Vidarbha competition organized by The Times of India Nagpur in August 2013.
- Bagged 3rd position in the City Level finals of India Spells 2012, organized by HDFC Life and powered by TOI.

EXTRA CURRICULAR ACTIVITIES

- **Core Coordinator at AXIS (Annual Technical Festival of VNIT)**

AXIS is the technical festival of VNIT Nagpur. I was a member of the Core Committee of AXIS, which comprises of 13 people, from May 2019 to March 2020. AXIS'20 was conducted during 28th February-1st March 2020. I am directly responsible for approaching and communicating with esteemed Guests for the summit and handling potential sponsors. My work also included handling publicity in Maharashtra through ground and online avenues and on-day anchoring.

- **Organizer at Aarohi (Annual Cultural Festival of VNIT) & Aarohi Juniors**

My duties as an Aarohi Organizer included the Publicity of the festival in and around Nagpur, along with on day compering. I was the Organizer for Aarohi Juniors, a cultural competition conducted for the first time for school students in Nagpur under Aarohi and was directly responsible for the participation of more than 500 students.

- **Event Representative of Junior Scientist under AXIS, VNIT.**

Junior Scientist, is an event under AXIS, the technical festival of VNIT, Nagpur where in various competitions are organized for school students in and around Nagpur. My primary duties included management of the event, publicity by visiting various schools, on-day compering and hosting.

HOBBIES

- Singing
- Swimming
- Reading

I hereby acknowledge that the information furnished above is correct to the best of my knowledge.

SURBHI MAHAJAN