

Bhuvi Gupta

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EDUCATION

I.I.T. KANPUR

B.TECH IN ELECTRICAL ENGINEERING

Expected May 2019 | U.P. India

CPI:9.8 | [Transcript](#)

G.B.M.S. MUMBAI

AISSCE GRADE XII

May 2015 | MH, India

Cumulative 96.2%

G.B.M.S. MUMBAI

AISSE GRADE X

May 2013 | MH, India

Cumulative Grade Point 10/10

COURSEWORK

COMPLETED

Fundamentals of Computing*

Linear Algebra and Calculus*

Multi-variable Calculus

Applied Game Theory

Introduction to Electrodynamics

(*-Awarded A* for exceptional performance)

ONGOING

Data Structures and Algorithms

Introduction to Electronics

Introduction to Complex variables

Partial Differential Equations

Signals, systems and networks

SKILLS

PROGRAMMING LANGUAGES

C/C++ • HTML • CSS • Matlab • MySQL

• Python • Javascript

OPERATING SYSTEM

Ubuntu • Microsoft Windows

TECHNICAL TOOLS

Matlab/Octave • Git • \LaTeX • Vim • ROS •

gdb

PLATFORMS

Arduino • Odroid

PROJECTS

SPEAKER AND SPEECH RECOGNITION

Mentor: Prof. Gaurav Pandey | July 2016 – Present

- Currently working on MFCC feature extraction from audio signals to compare them to pre recorded database and determine the speaker
- To be extended to phoneme extraction from audio

BUILT A WHEELED HUMANOID

Robotics Club, IITK | May 2016 – June 2016

- Worked primarily on building Speech Engine for the robot
- Implemented using CMU Sphinx, Chatterbot and espeak in python
- Chosen Overall Best Summer Project, Science & Technology Council, IITK

ETHICAL HACKING

Programming Club, IITK | May 2016 – June 2016

- Studied web and binary exploitation, shell scripting and assembly instructions
- Worked with basic Linux command line instructions
- Participated in intra-college Capture The Flag Contest

IMPLEMENTING AI GAMES

Association for Computing Activities, IITK | Jan 2016 – Apr 2016 | [Code](#)

- Built artificially intelligent Tic-Tac-Toe and Connect4 in C
- Based on minimax algorithm for alternative moves and complete information
- Optimization using alpha-beta pruning and heuristic functions

AWARDS

2015	AIR 631	JEE Advanced, Mumbai City Female Topper
2015	AIR 172	Kishore Vigyanik Protsahn Yojna (KVPY) Scholar, Dept of Science and Technology, Govt of India
2014	Regional	Accomplished National Standard Examination Chemistry (NSEC)
2014	Regional	Among statewide top 1% performers in NSE Physics
2014	Regional	Certified Regional Mathematics Olympiad(Mumbai Region)
		Attendee of Indian National Mathematics Olympiad Camp
2011	National	Indian National Mathematics Olympiad (INMO) Finalist
2011	National	Awarded National Talent Search Examination Scholarship, NCERT, Govt of India

POSITION OF RESPONSIBILITIES

July 2016-Present	Company Coordinator, Student Placement Office, IITK
May 2016-Present	Secretary, Robotics Club, IITK
Jan 2016-Apr 2016	Junior Coordinator, Electrical Engineering Association, IITK
Nov 2015	Junior Executive, Public Relations Team, Antaragni 2015, IITK

EXTRA CURRICULAR

Technical	March 2016 Nov 2015	Qualified for Finals, Electromania, Techkriti 2016 Mini Project, Electronics Club, IITK Fabricated a water level controller prototype
Sports	Jan 2016 Nov 2015	Second position in Women's Singles Table Tennis, Josh, IITK Secured first position in Shotgun, Intramurals 2015-16