

Kopal Gupta

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EDUCATION

Indira Gandhi Delhi Technical University for Women

Bachelor of Technology (B.Tech.) in Information Technology
Expected Graduation: June 2019

Delhi, India

Aug'15 - present

Amity International School

High School, Central Board of Secondary Education (CBSE)
Aggregate in grade 12: 95.2%
CGPA in grade 10: 10.0

Mayur Vihar, Delhi

May 2015

UNIVERSITY COURSEWORK

Year 1

Applied Mathematics I & II, Applied Physics I & II, Applied Chemistry, Environmental Sciences, Elements of Mechanical Engineering, Engineering Mechanics, Communication Skills I & II

Year 2

Discrete Mathematics, Data Structures, Database Management Systems, Object Oriented Programming, Analog and Digital Electronics
Advanced Engineering Mathematics, Computer Organisation and Architecture, Analysis and Design of Algorithms, Operating Systems, Object Oriented Software Engineering

SKILLS

- **Languages:** C/C++, Java, Ruby, HTML/CSS, JavaScript, Python, MySQL, SQLite, Node.js
- **Frameworks:** Rails, Sinatra, jQuery, Express.js, Socket.io
- UNIX/LINUX, Git/GitHub

RESEARCH

Kit for detection and removal of pesticides from the surface of fruits and vegetables

(Independent Research May 2013 - February 2015)

- Testing Mechanism for detecting commonly used pesticides in fruits and vegetables using chemically prepared test strips.
- Studying the efficacy of Activated Carbon for removal of pesticides from the surface of fruits and vegetables

Applied for a patent (Application number: 75/DEL/2015) at Intellectual Property Office, Delhi.

SELECTED ACHIEVEMENTS

- Felicitated at **Arizona State University Sustainability Solutions Festival 2015** for independent research work in Analytical Chemistry.
- Felicitated at **Rashtriya Avishkar Abhiyan** (National Innovation Scheme) Launch Ceremony 2015 for research work by Department of Science and Technology.
- Received the **Excellence in Science and Technology Award** at Amity International School Felicitation Day 2015.
- Won the **Rob and Melani Walton Sustainability Solutions Award** and Scholarship at Intel International Science and Engineering Fair 2014.
- Won the **ISEF 4th Grand Award** and scholarship in Chemistry at Intel International Science and Engineering Fair 2014.
- Received the 1st Grand Award and Gold Medal at **Intel IRIS National Fair 2013**.

TECHNICAL SOCIETIES & ACTIVITIES

- Attended **PSOSN** (Privacy and Security of Online Social Networks) **Summer School** at **IIT Hyderabad** in Summer 2017.
- Member of **Association for Computer Machinery (ACM)** IGDTUW Student Chapter. **Instructor** for **Open Source sessions** conducted by ACM IGDTUW Student Chapter.
- Member of **Society for Science and Public (SSP)** Intel ISEF Community.
- Member of **Entrepreneurship and Development Cell (EDC)**, IGDTUW.
- Member of the Organising Team of **TEDx IGDTU**.
- Head-Coordinator at **Taarangana**, Cultural Fest of IGDTUW.
- Participated in Django Girls and Rails Bootcamps.