

Utkarsh Gupta

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Education

IITK (Indian Institute of Technology)

B.TECH. ELECTRICAL ENGINEERING

- Cumulative Performance Index : 9.41/10.00

Kanpur, INDIA

Mar 2018 - Apr 2022 (Expected)

Sheiling House School

HIGH SCHOOL, 12TH

HIGH SCHOOL, 10TH

- Class 12th : Indian Scholar Certificate : 98%
- Class 10th : Indian Scholar Certificate Examination : 97.6%

Kanpur, INDIA

Apr 2016 - Apr 2018

Apr 2015 - Apr 2017

Experience

Science and Technology Council, IIT Kanpur

MANAGER, WEB DIVISION

- Designed a dynamic and responsive website keeping in mind the Council's requirements.
- Dynamic nature of the website was ensured using a Vue.JS (dynamic frontend) - Firebase (dynamic backend) couple.
- Incorporated features from Bootstrap 4 library to make it fit for use on any device, thus, ensuring responsive nature of the website.

Kanpur, India

25th Apr 2019 - 1st May 2019

Geometry Solver

PROJECT UNDER PROF. ARNAB BHATTACHARYA

- Created a Geometry Problem Solver: "BhujYantram" which is capable of taking in text input in Spoken English and producing the expected geometrical figure.
- The Automated version is capable of taking speech inputs too.
- The Self-Draw version is an Intelligent Tutoring System.
- One can register as a teacher and upload questions using UKLang which is a keyword-based-parsable pseudo-language.
- Students can use teacher's code to access the uploaded questions and draw the figures which are auto-checked by the platform.
- Current Version : BhujYantram

Kanpur, India

Apr 2019 - Present

Electronics Club, IIT Kanpur

TEAM LEADER, LI-FI

- Developed a working prototype of Visible Light Communication System.
- It is capable of transmitting all sorts of data like: text, audio, video, etc.
- It achieved a speed of 2kbps and works at a maximum distance of 2ft.
- For more information : Visible Light Communication

Kanpur, India

2nd May 2019 - 11th July 2019

Honors & Awards

2018	AIR 699 , Joint Engineering Examination - Advanced (JEE - ADV), 230,000 candidates	India
2018	AIR 455 , Joint Engineering Examination - Mains (JEE - MAINS), 1.1 Million candidates	India
2018	AIR 10 , Uttar Pradesh State Entrance Examination	UP, India
2017	Ranked among National Top 1% , National Standard Examination in Physics	India
2017	Ranked among State Top 1% , National Standard Examination in Chemistry	India
2016	Scholarship Awardee , Uttar Pradesh Science and Talent Search Examination	UP, India

Skills

Languages	C, C++, Javascript, Java, Python, Dart
Web	Node.js, Angular 7, Vue.js, MongoDB, HTML5, CSS3, Bootstrap 4, Firebase
ML Libraries	PyTorch, Tensorflow
Familiarity	Verilog, Bash Scripting, Arduino, \LaTeX

Positions of Responsibility

Science & Technology Council

IIT Kanpur

MANAGER, WEB DIVISION

Jan. 2019 - PRESENT

- Manage council servers.
- Provide for a system for efficient management of council's online presence.
- Build applications to support the Council's infrastructure.

Techkriti

IIT Kanpur

SENIOR EXECUTIVE, WEB

Oct. 2018 - Mar. 2019

- Developed the website for TechSummit'19 which was an unprecedented technical summit based on the theme Industry 4.0
- Developed a chat-bot for Techkriti's Facebook page using Natural Language Processing and Artificial Intelligence.

Electronics Club

IIT Kanpur

SECRETARY

Dec. 2018 - PRESENT

- Conducted workshops and lectures in E-Club Summer Camp of 2019.
- Project Leader for Li-Fi or Visible Light Communication (VLC) : A project that aims to develop data transfer using visible light.