

# AKSHAY CHOUDHARY

Phone: +91-9871516017

[akshaychoudhary@email.carleton.ca](mailto:akshaychoudhary@email.carleton.ca)

[www.linkedin.com/in/akshay--choudhary](https://www.linkedin.com/in/akshay--choudhary)

## EDUCATION

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<b>M.Eng</b>	Carleton University, Technology & Innovation Management	2021-2023
<b>B.Tech</b>	Bharatiya Vidyapeeth's College of Engineering (GGSIPU), Electronics and Communication Engineering <ul style="list-style-type: none"><li>GPA: 3.42</li></ul>	2014-2018

## RESEARCH EXPERIENCE

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**Bharatiya Vidyapeeth's College of Engineering, Delhi** 2017-2018  
Research Project, ECE Department  
Project Title: Implantable Antenna for Biomedical Applications  
Supervisor: *Dr. Rajiv Nehra*

- Designed an implantable antenna using HFSS software for biomedical applications and implemented machine learning concepts like classification algorithms to predict emergencies.
- Conceptualized for timely diagnosis of Diabetic and Hypertension emergencies.

**Defence Research & Development Organization, Delhi** Jun,2017 – Aug,2017  
Internship, DTRL Lab  
Project Title: Electroluminescence Using Tesla Coil  
Supervisor: *Dr. Amitanshu Pattanaik*

- Studied Electroluminescence which explains the concept of luminescence by application of electric field. Different elements were studied for the project.
- Designed a Tesla Coil from scratch to be used in the experimental setup. Research work was performed under the tutelage of DRDO scientist.

## PROFESSIONAL EXPERIENCE

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**Python Developer** 2019-,2020  
Tata Consultancy Services

- Worked in Life Science domain
- Development and operation (DevOps) activities of a custom web application used as a ledger for all RnD experiments by 1000+ scientists and consumed by many other applications.
- Worked on improvements suggested by clients both on Front-end & Back-end components.

**.Net Developer**

2018-2019

Tata Consultancy Services

- Worked in Life Science domain
- Development and operation activities of a windows-based application used as a content management system.
- For data retrieval, Elasticsearch was used for optimization.
- Worked on Kibana dashboard for business presentation to clients and for internal reporting.

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**PROFESSIONAL ACADEMIC AND ADMINISTRATIVE EXPERIENCE**

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**Campus Ambassador, TECHNEX**

- Assisted in organizing events of TECHNEX, the annual techno-management festival of IIT (BHU) Varanasi in our college.

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**COMMUNITY SERVICE**

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**National Association for Blind, Delhi**

Aug,2016 – Sep,2016

- Successfully completed 30 hours of voluntary work at NAB, during which participated in teaching exercise as well as involved in E-text books editing exercise which contribute towards accessible education material for the blind.

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**LANGUAGES**

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**Hindi:** Native Language**English:** Full Professional Proficiency

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**COMPUTER SKILLS**

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**Programming:** Python, SQL, C#, SAS, ADO.NET, DevExpress**Applications:** MS Office, MS Visual Studio, Jupiter Notebook, Tableau, SAS Studio, SQL Developer, GitHub & JIRA

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**CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES**

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**ACHIEVEMENTS**

- RUNNERS UP: Inter Organization Basketball Tournament at TCS
- WINNERS: Annual Intra College Sports Meet
- RUNNERS UP: All India Afzal Khan basketball tournament
- RUNNERS UP: Inter Zonal Sports tournament for Basketball (Under 19 Sr. Boys)
- WINNER: Excellence Award for role in school basketball team
- Served as Base guitarist in Strings School of Music band at various concerts

## **INTERESTS**

- Listening to music, playing basketball and watching films.
- Artificial Intelligence and Renewable Energy.
- Ardent follower of online social forums and online multiplayer gaming