

# Sushank Gautam

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## Education

### INSTITUTE OF PROFESSIONAL EXCELLENCE AND MANAGEMENT

BACHELOR'S OF COMPUTER APPLICATION ( BCA )

📅 Sep 2025 📍 Ghaziabd , UP  
• 78

### MITS, GWALIOR

BTECH IN COMPUTER SCIENCE

📅 Sep 2020 📍 Gwalior, MP  
Graduated with Distinction

## Links

🐙 GitHub **themagicalmammal**  
in LinkedIn **themagicalmammal**

## Coursework

### GRADUATE

Data Science

Programming for Data Science

Knowledge Representation and Reasoning

Statistical Theory and Methods

Learning Skills through Case Studies

Artificial Intelligence

Machine Learning

Statistical Learning

**Dissertation:** Machine learning methods for solubility prediction in chemical experiments

## Skills

### PROGRAMMING

Python • R • PHP • C/C++ • HTML/CSS • JavaScript • SQL

### MISCELLANEOUS

Shell •  $\text{\LaTeX}$  • Tableau • Microsoft Office  
• Firebase • Git

## Honors

### EXCELLENCE SCHOLARSHIP

UNIVERSITY OF LEEDS

Awarded to international students who have achieved the equivalent of a UK first class bachelors' degree.

### INDUSTRIAL VISIT

INFOSYS PUNE

I was as one of the students for industrial training, where 28 students were chosen out of 2000.

## Experience

### SOFTWARE ENGINEER

INDIAN INSTITUTE OF TECHNOLOGY

📅 Sep 2020 – Aug 2021 📍 Indore, MP

- Using Yolo to boost the accuracy of low light situations in mobilenetv3
- Using Bash scripts and Linux tools to automate and optimize the data handling for traffic signs.

### MACHINE LEARNING INTERN

RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY

📅 Apr 2020 – Aug 2020 📍 Indore, MP

- Using Genetic algorithm designed a model to detect the crossover/mutation in gene which is portable for scheduling scenarios scenarios.

### WEB DEVELOPMENT INTERN

RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY

📅 Jan 2020 – Feb 2020 📍 Indore, MP

- Designed the dynamic website using PHP for data visualization (Angular5 and NodeJs) of particle accelerator for internal usage.
- Worked on AmCharts to display live data streams and used statistical tools for computation and understanding of data.

### WEB DEVELOPMENT INTERN

RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY

📅 Jun 2019 – Jul 2019 📍 Indore, MP

- Using Django to connect with SQL backend with SQL Server 2012.
- The webpage is made out of AngularJS with UI elements from Materialize.

## Competitions

### COMPLEX LEVEL

SMART INDIA HACKATHON

📅 Jan 2019 – Feb 2019 📍 Bhubaneswar, Orissa

- We had a team of 6 people under the alias 'Cicada3301' everyone had different skill sets we made a website which was connected to a blockchain network on Ethereum which was set up on the network of our personal computers.
- After passing all the three rounds, our team was declared the winner of our question set. We won a lump sum of 1lakh₹(s).

## Recent Projects

### IPL ANALYSIS

UNIVERSITY OF LEEDS

📅 Nov 2021 – Dec 2021 📍 Leeds, UK

A project under the University of Leeds to analyse data from 2008 to 2015 and discover patterns in the data such as trends, co-relations, probabilities, and used tools such as matplotlib, Pandas, Seaborn for data visualization.

### STUDY OF THE BEHAVIOUR OF SERIAL KILLERS'

UNIVERSITY OF LEEDS

📅 Nov 2021 – Dec 2021 📍 Leeds, UK

The study of the behaviour of serial killers with different motives such as Convenience (did not want children/spouse), Enjoyment or Power and Escape or avoiding arrest.