

# Doe John

YOUR ADDRESS

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## Personal Profile

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A University of Leeds graduate student who is enrolled in the Data Science and Analysis programme. Dedicated to software engineering, having two or more years of expertise, and specialising in full-stack web development, algorithms, and machine learning. Searching mostly for Machine Learning, Data Engineer, and Python Development positions.

## Education

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### University of Leeds

MSc in Data Science and Analysis

Leeds, UK

Sept 2021 - Current

- Head of School International Excellence Scholar
- Working as a PAL Mentor
- **Courses:** 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

### Madhav Institute of Technology and Science

BTech in Information Technology

Gwalior, India

May 2016 - May 2020

- Graduated with Distinction
- Selected for Industrial Visit among the top of the class

### Atomic Energy Central School

High School

Indore, India

Apr 2014 - Apr 2016

- Passed with Distinction
- Specialised in Physics, Chemistry, and Maths with Computer Science

## Work Experience

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### Indian Institute of Technology

Software Engineer

Indore, India

Sept 2020 - Aug 2021

- Collaborated with a four-person team to develop a CNN model that utilised YOLO as a foundation to improve the accuracy of ambient lighting conditions in the Mobile net architecture.
- Automated and optimised the data handling process for traffic signs, working with Ubuntu 20.04 did shell scripting, and employed other Linux tools.
- Significantly boosted the model's accuracy by 60%, which was yielding an accuracy of 70-78% under Indian street light. The older models, had an accuracy of 10-15%.
- **Technical Skills:** Python with PyTorch, NumPy, Matplotlib, Pandas, Scikit-learn, C++, Ubuntu Linux, Linux tools, Apt, Scripting, Git.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

## University Projects

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### The Relation between GDP and IMR

University of Leeds

Leeds, UK

Feb 2022 - Apr 2022

- Analysing data from 1960 to 2020 and discover patterns in the data that show trends between Gross domestic product per capita, Infant Mortality rate, Literacy Rate, and Industrial Development.
- Study cross-sectional, longitudinal, and among various countries to find variations in trends and get the historical data to back up the change in the trend of our data.
- Specific case studies were traced back to trends seen in the UK and how they affected the GDP and IMR.
- **Technical Skills:** Tableau, Overleaf, LaTeX.
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

### IPL Analysis

University of Leeds

Leeds, UK

Nov 2021 - Dec 2021

- Analysing data from 2008 to 2015 to discover patterns such as trends, correlations, and probabilities.
- Finding the differences between the best teams and players in various fields, as well as their performance on the field and the opponents.
- **Technical Skills:** Python with Pandas, matplotlib, Seaborn.
- **Soft Skills:** Presentation skills, Leadership, Teamwork, Logical Thinking.

- Study of serial killers behavior with various motives such as convenience (did not want children or spouse), enjoyment, power, escape, or avoiding arrest.
- Finding patterns in their starting and ending ages (when they are caught) and other factors of killing, as well as how it varies with different motives.
- **Technical Skills:** R with ggplot2, tidy, R Markdown.
- **Soft Skills:** Report writing, Logical Thinking, Critical Thinking.

## Skills

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**Programming** Python (Pandas, PyTorch, NumPy, Scikit-learn. etc.), R(ggplot2), PHP, C/C++, HTML/CSS, JavaScript, SQL.

**Miscellaneous** Linux, Shell (Bash/Zsh),  $\LaTeX$ (Overleaf/R Markdown), Tableau, Microsoft Office, Firebase, Git.

**Soft Skills** Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

## Achievements

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2019	<b>319/340</b> , Graduate Record Examinations (GRE)	India
2018	<b>Elite</b> , DBMS NPTEL Exam	India
2018	<b>Elite</b> , C NPTEL Exam	India
2019	<b>Winner</b> , Smart India Hackathon (SIH)	India
2014	<b>Level 3</b> , TablaNiketan Exam	India
2014	<b>Level 1</b> , National Talent Search Exam (NTSE)	India

## Publications

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### JOURNAL ARTICLES

Incentive-based resource assignment and regulation for collaborative cloud services in community networks

Amin M Khan, Ümit C. Büyüksahin, Felix Freitag

*Journal of Computer and System Sciences* 81.8 (Dec. 2015) pp. 1479–1495. 2015

Cloud services in the Guifi.net community network

Mennan Selimi, Amin M Khan, Emmanouil Dimogerontakis, Felix Freitag, Roger Pueyo Centelles

*Computer Networks* 93.P2 (Dec. 2015) pp. 373–388. 2015

### CONFERENCE PROCEEDINGS

Prototyping Incentive-Based Resource Assignment for Clouds in Community Networks

Amin M Khan, Umit Cavus Buyuksahin, Felix Freitag

*28th IEEE International Conference on Advanced Information Networking and Applications (AINA 2014)*, 2014, Victoria, Canada

## Interests

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**Cooking** I love cooking. I am an expert in most Indian-style cooking, enjoy baking and making my own pizza.

**Linux** Since 2017, I have been in love with Linux. I recently switched to Mac OS, which feels like a premium of Linux.

**Technical Writing** I write descriptive blogs about Linux some of them are on my GitHub and Medium.

**Art** I have always enjoyed drawing since I was a child. Recently, I have shifted to digital art mostly on Deviantart.

**Video Games** I always had the gaming gene. I mostly play on my phone and occasionally on my switch.

**Swimming** I started swimming when I was 12. Going through submerged things while holding my breath was the most exciting part.

## Languages

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**English** Professional proficiency

**Hindi** Native proficiency

**References available upon request.**