

# Rishi P Sivakumar

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Bhopal, Madhya Pradesh, India

## Education

Indian Institute of Science Education and Research (IISER) Bhopal, India 2022-2026

*BS Data Science and Engineering* CPI - 7.07 / 10

Kendriya Vidyalaya, Indian Institute of Science, India 2020-2022

*High School - Physics, Chemistry, Mathematics, Computer Science* 91.2 %

## Experience

**Data Science Intern** May 2025 - July 2025

SpectraX Management LLC - Houston, TX, USA - On-site

- Built a robust ML-based document classifier for bulk upload of distorted, scanned documents.
- Used **Tesseract** for OCR, Python libraries such as **OpenCV** and **scikit-learn**, and packaged the tool.
- Learned how to adapt to dynamic project requirements and gained valuable insights on industry requirements in document processing.

## Projects

**Psychometric Analysis of LLMs** December 2024

VisDom Lab, IISER Bhopal, India

- Implemented a paper on benchmarking LLMs' psychological portrayal and reproduced experiments to evaluate multiple LLMs on psychological assessment benchmarks.
- Tools used - **PyTorch**, **matplotlib**, **seaborn**, **pandas**, **numpy**
- Gained experience in psychometric evaluation of LLMs and experiment reproducibility.

**Classification of Satellite Images using Deep Learning** November 2024

Course Project

- Performed EDA and trained a Convolutional Neural Network (CNN) on a Kaggle dataset to create a deep learning model to classify satellite images.
- Tool used - **PyTorch**, **OpenCV**, **numpy**
- Gained practical experience in the end-to-end model development workflow.

## Skills

<b>PyTorch</b>	<b>scikit-learn</b>	<b>OpenCV</b>	<b>pandas</b>	<b>numpy</b>	<b>SQL</b>	<b>Git</b>
<b>Matplotlib</b>	<b>Stata</b>	<b>HTML/CSS</b>	<b>C</b>	<b>seaborn</b>		

## Coursework

<b>Machine Learning</b>	<b>Computer Vision</b>	<b>Database Systems</b>	<b>Natural Language Processing</b>
<b>Deep Learning</b>	<b>Algorithms</b>	<b>Probability &amp; Statistics</b>	<b>Econometrics</b>

## Leadership & Activities

**Co-founder** April 2025

Helped found the first student-led AI Cell of IISER Bhopal - VISTAR (VISion for Technology and AI Research)

**Department Representative**

September 2024 - April 2025

Acted as a liaison between faculty and students to ensure smooth operation of courses and exams.

**Member**

November 2023 - October 2024

Member of the college [Student Development Council](#). Involved in organizing career related talks, writing content and organizing events.

**Reporter**

March 2023 - April 2024

Reporter for a non-profit student magazine - [Uday](#) - covering social and academic issues.

**Test Scores**

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<b>GRE General</b>	2025
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Quantitative: 163/170 | Verbal: 153/170 | Analytical Writing: 4/6

<b>TOEFL</b>	2025
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Total: 116/120

<b>SAT</b>	2021
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Evidence-based reading and writing: 670/800

Mathematics: 800/800

**Languages**

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English (full-proficiency), Hindi (full-proficiency), Kannada (speaking), Tamil (speaking/reading)

**Volunteering**

January 2024 - January 2025

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Member of a [Prayaas](#)- a non-profit group dedicated to economic empowerment. Helped conduct fundraising events, workshops, and took part in cleanliness drives.