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

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

Coursework

Machine Learning	**Computer Vision**	**Database Systems**	**Natural Language Processing**
Deep Learning	**Algorithms**	**Probability & Statistics**	**Econometrics**

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

SAT   2021

    Evidence-based reading and writing: 670/800

    Mathematics: 800/800

Languages

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

Volunteering   January 2024 - January 2025

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