Avi Srivastava

2nd Year Student, BSc. Computer Science

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EDUCATION
- Currently enrolled in a BSc. in Computer Science (expected 1:1 degree in 2025) at the University of Leicester
  Important Modules: Introduction to Object-Oriented Programming, Algorithms, Data Structures and Advanced Programming, Operating Systems and Networking, Databases and Domain Modelling, Software Architecture and System Development, User Interface Design and Evaluation and Data Analytics
  Projects:
    1. Completed a project in Java to create a Student Marks Management System using OOP Concepts
    2. Created a Scrabble game in Python using advanced data structures and various algorithms
    3. Completed a project in SQL where I had to create and handle a database for a Medicine Company
    4. Excelled in a project on a Student Management System where I had to make a Work Breakdown System, a Budget and a Risk Register
    5. Collaborated in a **Hackathon** to demonstrate **problem-solving** skills under pressure and deliver functioning code using Java
    6. Completed a data analytics group project where I had to make a recommender and predictive model using the **Vector Space** method, **KNN** and **ANN** and also a web scraper function using **BeatifulSoup** in Python
    7. Worked in a team using **agile methodology** and followed **SCRUM** to create a website "IBM SkillsBuild Gamefied", which gamified the experience of learning on the IBM SkillsBuild platform by adding various components such as adding friends, earning achievements, badges, viewing leaderboard, etc using Java,
  Societies: Computer Science Society, Mathematics Society, Astrophysics Society and Student Learning Committee

- A* in English, Mathematics, Physics, and Chemistry in Higher Education (2022), Madhav Public School, India

EXPERIENCE
- Lab Assistant, University of Leicester (October, 2023 to Present):
    - ➢ **Assisted** first-year computer science students with programming assignments and exercises and explained complex programming concepts such as data structures and algorithms in a clear and concise way
    - ➢ **Collaborated** with other lab assistants to create a positive and supportive learning environment
- Teaching Assistant, University of Leicester (October, 2023 to Present):
    - ➢ **Provided assistance** to first-year students with their doubts about computer architecture and mathematics concepts
    - ➢ Checked student work for accuracy and completeness, and **provided feedback**
- Academic Enhancement Co-Leader and Teacher, Student Learning Committee:
    - ➢ **Co-led** the academic enhancement part of the committee, responsible for developing and implementing academic programs and initiatives

- ➢ Provided guidance and support to classmates, and helped them to succeed in their studies
- **Volunteered** to conduct supplemental academic sessions for struggling first-year computer science students
- Worked on the technical and editorial team for a financial blog called Financial Vogue, which was started by my friends
- Part of the DriverLeics team, where I am currently learning **ROS**

SKILLS AND INTERESTS
- Highly proficient in **Java** with a good understanding of Object-Oriented concepts, Spring Boot applications with MVC patterns and JDBC (Java Database Connectivity) API
- Experienced in **Python** and Python libraries such as NumPy
- Knowledgeable in **SQL** for database implementation
- Skilful in **HTML**, **CSS** and **JavaScript** for web development
- Currently pursuing a course on **Cloud Services**
- Well-familiar with **Excel** and **PowerPoint**
- Good at **multitasking** and eager to learn new things
- Languages: Expert proficiency in English, Native proficiency in Hindi
- Interests: Coding, Playing Guitar, Cooking, Listening to music