Yatharth Jain

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EDUCATION

Purdue University   **West Lafayette, Indiana**
B.S. in Computer Science   *Expected Graduation, May 2027*

- o **Related Coursework:** Intro to Object-Oriented Programming, Programming in C, Discrete Math, Linear Algebra, Datamine
- o **GPA:** 3.78/4.00

EXPERIENCE

The Data Mine   **West Lafayette, Indiana**
Undergraduate Researcher   *Aug 2024 – Current*

- Extracted and analyzed large datasets using R and Python in Jupyter Notebooks, uncovering key insights that informed data-driven decisions.
- Used Python libraries such as Pandas, Matplotlib, and NumPy to
- Enhanced data visualization and reporting processes by leveraging Python libraries, such as Pandas, Matplotlib, and NumPy, and R environment tools, improving the clarity and usability of findings.
- Streamlined data workflows by employing UNIX commands, regular expressions, and SQL queries, reducing processing time.
- Developed web-scraping scripts using Python to gather structured data from online sources, enabling advanced analysis for weekly projects.

Hillenbrand Dining Court   **West Lafayette, Indiana**
Associate Student Service   *Aug 2024 – Dec 2024*

- Ensured smooth dining operations by assisting staff in replenishing food trays, maintaining a steady supply of fresh meals for over 500 daily students.
- Improved kitchen efficiency by consistently upholding cleanliness standards, contributing to a safer and more organized food production environment.

Vex Robotics Club   **Ashburn, Virginia**
Builder   *Aug 2022 – Jun 2024*

- *Collaborated with an 8-member team to design and build competitive robots, successfully participating in 6 VEX Robotics competitions.*
- *Enhanced technical skills by troubleshooting and resolving design issues, improving robot performance during events.*
- *Developed foundational programming knowledge in C and object-oriented principles to support autonomous robot functions.*

Key Club   **Ashburn, Virginia**
Secretary   *Aug 2022 – Jun 2024*

- Managed and coordinated a volunteering organization of 80+ members, ensuring consistent participation in meetings and community service activities.
- Facilitated the collective fundraising of over $20,000 for water wells in Africa and India by organizing volunteer efforts through Wisdom Spring's *Walking for Water* movement.

ACTIVITIES AND LEADERSHIP

Independence High School Marching and District Band   **Ashburn, Virginia**
Mellophone   *Feb 2021 – Jun 2024*

- *Collaborated with a 150-member ensemble, enhancing communication and teamwork skills while performing in synchronized marching formations.*
- *Achieved high placements in prestigious competitions, including Bands of America and Parade of Champions, showcasing musical excellence and discipline.*
- *Contributed to the band's victory at the 2023 Virginia Marching Band State Championships and individually placed in the top 5 French Horn players in Loudoun County.*
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SKILLS

Programming: Java, Python, HTML, CSS, JavaScript, C, R, SQL
Tools: IntelliJ, Android Studio, PyCharm, Jupyter Notebooks, Visual Studio Code