# Neil Purohit

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## Summary

I am a high school student with a strong interest in data science and its applications in the real world. Having experience with data analytics in a business intelligence environment, I hope to use my skills to impact consumers and businesses.

## Education

**Lake Forest High School:** Class of 2024, Cum Laude Society        **GPA**: 5.17949/5.00
**AP Courses Completed (Score)**: AP Computer Science A (5), AP Calculus BC (5), AP Physics 1 (4), AP Seminar (4), AP U.S. History (4), AP English Language (4)
**Courses in Progress**: AP Physics C, AP Economics, AP Spanish, Linear Algebra Honors, Multivariable Calculus Honors, Computer Science 3 Honors

## Portfolio Links

- Website: https://neilpuroh.it/
- Github: https://github.com/NeilP06
- Replit: https://replit.com/@neilpurohit06

## Technical Skills

**Java, Data Structures, & Data Algorithms** (10th Grade - 11th Grade; 7 hours/week)
- Developed a strong foundation of Java fundamentals, data structures, and data algorithms through the Lake Forest High School computer science curriculum.

**SQL, Data Analytics, & Data Visualizations** (Summer Rising 12th Grade; 40 hours/week)
- Through thorough training and experimentation in the Data & Analytics internship at AbbVie, I learned how to use raw data models in SQL and analyze them to gain new insights through dashboards.

**Python, Data Structures, & Data Algorithms** (12th Grade; 7 hours/week; 6 weeks)
- Studied and formed a strong understanding of Python syntax and concepts and relearned many data structures and algorithms through the Lake Forest High School third-year computer science class.

## Programming Experience

**AbbVie Inc., Summer Worker Intern** (Summer Rising 12th Grade; 40 hours/week; 10 weeks)
- Developed an understanding of data analytics & dashboard visualizations and how to provide valuable insight in a business environment.
- Improved collaboration skills and networking with colleagues in a professional environment.
- Grew an understanding of database management, including SQL, Qlik Sense, and SQLWorkbench.

**Fidelis Corporation, Intern (**Summer Rising 11th Grade; 30 hours/week; 12 weeks)
- Worked on an independent data analytics project on the organization's sales metrics in international markets.
- Helped increase consulting sales by 5% in certain regions of India by analyzing those regions through statistical analysis.

**FuturePearStudios, Co-Founder & Developer** (11th Grade - Present; 5 hours/week; 60 weeks)
- Co-founded a game development studio that focuses on developing interactive online website games, which earns $1,000+ in revenue annually and accumulated a user base of 10,000+ players.
- Developed fundamental knowledge of game development through experimentation before releasing games to the public and learned concepts relating to cybersecurity from outside exploitation attempts on certain games.
- Learned how to manage teams of developers and guide them to meet demands for game requirements.
- Website link: http://www.futurepearstudios.co/

**Axiss Devs Hackathon Team** (10th Grade - 12th Grade; 15 hours/week; 8 weeks)
- Built three applications that solve global-scale societal & educational problems alongside three other programmers nationwide in hackathons. Portfolio link: https://devpost.com/NeilPurohit.
  - GradeAI, an application for teachers to grade student essays using artificial intelligence.
  - BeStudious, a social media application to gamify studying for students.
  - YourFaithfulFriend, an application to give adolescents a chance to talk about mental health, using artificial intelligence.

**Lake Forest High School Computer Science** (10th Grade - 11th Grade; 7 hours/week)
- Developed more independent programming skills as many of the projects and assessments presented in class followed independent-based experimenting and research, such as a terminal-based adventure game or a Photoshop editor that manually edits the pixels to apply effects.

## Volunteering Experience

**Prospective Programming, Founder** (11th Grade - Present; 10 hours/week; 22 weeks)
- Founded a 501(c)(3) not-for-profit foundation that teaches computer science fundamentals to underprivileged students in less recognized countries.
- Learned how to manage intricate aspects of complex web applications, including user authentication, database management, and code optimizations when building the application.
- Created a Java programming curriculum that currently serves 450+ users.
- Website link: https://www.prospectiveprogramming.org/

**Junior American India Foundation, VP of Corporate Fundraising** (2017 - Present)
- *"Run for Resilience", Mental Health in Teenagers Fundraiser (Jan. 2023 - Aug. 2023)*
  - Led corporate fundraising team and raised $38,000+ in corporate and personal donations to provide mental health services for 1,900 underprivileged schoolgirls in India.
- *"Rung Mela", Digital Equalizer Fundraiser (Jan. 2022 - Dec. 2022)*
  - Coordinated and led an in-person fundraising event that raised $30,000+ to support five learning centers, each hosting over 1,000 underprivileged girls.
- *"LAMP" Program Fundraiser (Jan 2020. - Dec. 2021)*
  - Led two online fundraisers to raise funds for children of migrant workers in India impacted by COVID-19, supporting the overall Chicago Jr. AIF goal of a $50,000 grant.
  - Led a team of high schoolers for the COVID-19 relief mission in 2021, which gave medical equipment to underprivileged communities to aid the COVID-19 pandemic.
- *"Digital Equalizer" Program (Jan. 2018 - Dec. 2019)*
  - Coordinated fundraisers and traveled to India in 2019 for the Digital Equalizer program, which gives underprivileged children access to digital education using computers.

**Bernie's Book Bank** (2nd Semester 11th Grade; 3 hours/week, 10 weeks)
- Assisted in processing books to give to underprivileged students in the Chicagoland area, done through sorting, packaging, and damage control inspection.

**Lake Forest High School Peer Tutor** (2nd Semester 11th Grade; 2 hours/week, 5 weeks)
- Assisted high-school freshmen and sophomores in a wide range of mathematical topics, including algebra, geometry, and trigonometry.

## Awards
- **ICTM State Math Contest - 8-Person 6th Place** (11th Grade)
- **AP Scholar with Distinction** (11th Grade)
- **Illinois State Scholar** (12th Grade)
- **Jr. American India Foundation - Jr. AIF Board Award** (6th Grade to 12th Grade)