



14 November 2025

TO WHOM IT MAY CONCERN

It is with great enthusiasm that I recommend **Kumar Pranav Verma**, a student of Lotus Valley International School, Noida. In my years of counseling, I have rarely encountered a student whose intellectual curiosity, technical creativity, and leadership converge as seamlessly as Pranav's. He combines academic rigor with a remarkable ability to apply his knowledge to meaningful, real-world challenges.

Pranav has built a strong academic foundation, particularly in Computer Science. He scored **1450/1600 on the SAT**, achieved a **perfect 5 in AP Computer Science A**, and earned an **IELTS score of 7.5**, reflecting both his technical depth and communication skills. His teachers describe him as innovative, analytical, and exceptionally driven traits that consistently place him among the top performers of his cohort.

What distinguishes Pranav is his passion for **building from the ground up**. He has developed an **open-source programming language, Tidal**, written in Rust, featuring a full compiler architecture and an expanding global contributor base. He also created **InfinityX OS** and designed **AI-driven applications** like Stacy, a healthcare tool that secured **3rd place at the CodeMaster Solo Competition 2025**. His research has already made a mark his peer-reviewed paper on **Artificial General Intelligence** published in the IJSDR demonstrates both intellectual maturity and thought leadership in an evolving field.

Pranav's impact extends beyond personal projects. Through **dual internships** at Stanley Black & Decker and the Rochester Institute of Technology, he applied advanced data analysis to improve user engagement and designed an OEE reporting tool that enhanced industrial efficiency. These experiences highlight his ability to transition between theoretical knowledge and professional application with ease. His collaborative spirit was also evident in community service, where he served as an **English Teaching Assistant with the Roundglass Foundation**, empowering rural students with language skills and confidence.

In addition to academics and technology, Pranav is a **dedicated athlete**, having been an active participant in the NBA India Basketball Program and receiving the **NBA Player of the Month Award** for his leadership on and off the court. His ability to balance competitive sports with high-level research and academic achievements speaks volumes about his discipline and resilience.

Pranav is a rare student who embodies **intellectual curiosity, hands-on innovation, and empathetic leadership**. He not only thrives in rigorous environments but also creates value for those around him. I wholeheartedly recommend him, confident that he will excel in his undergraduate journey and make impactful contributions to the academic and professional communities he joins.

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