Shrika Velagapudi

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EDUCATION

Orlando Science High School, Orlando FL   *August 2022 – May 2026*
- **GPA:** 5.326/6.000 (Weighted), 4.0/4.0 (Unweighted)
- **Standardized Assessments:** 1540 SAT (790 Math, 750 Reading), 1520 PSAT (760 Math, 760 Reading)
- **Relevant Coursework:** AP Physics 1 (5), AP Calculus AB (5), AP English Language and Composition (5), AP 2D Art and Design (5), AP Environmental Science (5), AP Biology (5), AP Precalculus (5), AP United States History (5), AP World History: Modern (5) AP Chemistry (4), AP Computer Science Principles (4), AP Computer Science Applications (4), AP Macroeconomics (4), AP US Government and Politics (4)

FAMU-FSU College of Engineering, Tallahassee FL   *June 2025 – July 2025*
Student Researcher
- Worked alongside Dr. Veronica White (Industrial and Manufacturing Eng.) and graduate students to research social and behavioral crisis intervention using an R simulation-based response efficacy modeling tool in Python
- Wrote 6+ VBA scripts to process raw CAD data into a simulation-compatible format on Excel and visualize data trends in response efficiency of law enforcement for physical disturbance, mental illness, and burglary-related crisis calls
- Presented research poster at the Florida State University's Young Scholars Program Research Symposium

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EXPERIENCE / EXTRACURRICULARS

STEM-E Youth Development Program   *August 2024 - Present*
Data Analytics Team Lead
- Shown operational efficiency in leading a team of 20+ high school and college interns through the process of data analysis and application of software/programming skills in a near-corporate environment
  - Implement and host workshops on programming languages, libraries, platforms, and data visualization tools such as Python, Power BI, NumPy, Pandas, Matplotlib, JupyterNotebook, etc.

Digital Product Development Team
- Front-end programmer/developer of "Note Sage," an educational full-stack application that implements artificial intelligence to summarize notes, generate quizzes, simplify content, and more
- Work in close coordination with a team of 17 other volunteers/interns using the Agile project development methodology and a Scrum framework to foster continuous iteration and team collaboration
- Apply knowledge of JavaScript, HTML, and CSS (through the Agile project development methodology) primarily to develop a responsive and engaging User Interface design for students while also focusing on User Experience optimization

Orlando Science High Speech & Debate   *August 2023 - Present*
Founder, Co-Captain, Varsity Public Forum Debater
- Leading team of 30+ speakers and debaters to high-level placements at local, state, and national-level tournaments
- Hosted Florida Civics and Debate Initiative's 5th Central tournament (National's Qualifier) of the 2023-2024 season at Orlando Science High School, involving the strategic organization of 400+ students, coaches, volunteers, and more

Personal Accomplishments
- Earned a bid to the National Speech and Debate Tournament (National Championship) as part of the World Schools Debate Team
- Recipient of the prestigious NSDA's Speaking and Service Award (2023-2024 season)
- Ranked in the top 40 NSDA Public Forum debaters in Florida

FIRST Tech Challenge Team 22012   *August 2022 - Present*
Business and Outreach Lead
- Qualified to Orlando Robotics League and Florida FTC State Championships 2 years in a row
  - Led team of 12 to Inspire Award (highest award) win at League Championships twice, qualifying us for State Championships two years in a row through outreach and robot capability
- Integrating both technical and business expertise, displayed proficiency in the strategic planning and execution of numerous local outreach, networking, and fundraising events
- Through organized leadership, guided robotics subteam to connect with 2,000+ industry professionals (ranging from national defense to aerospace), K-12 students, and mentors

- Oversaw the economic sustainability of the team; through technical grant-writing, curation of sponsorship proposals, and coordinated fundraising, secured over $4,000 in less than 5 months

Orlando Science High Mu Alpha Theta *September 2024 - Present*
Secretary, Competitor
- Conduct timely, technological updates to Orlando Science High School's Mu Alpha Theta website, contributing to an enhanced digital portfolio
- Aid in hosting school-based math tournaments for K-12 students (proof-reading of competition tests and organizing volunteers)
- Received top 25 placement in Mu Alpha Theta tournaments and numerous top 10 placements in Mathleague tournaments

Amazon Kindle Direct Publishing *March 2024 – July 2024*
Self-Published Children's Book Author & Designer
- Wrote, designed, and recently published a non-fiction children's picture book titled "STEMpowering Women: Stories of Passion and Perseverance" (40 books sold till date in 2 countries and 100% 5-star reviews)
- All profits (soon donating 25+ units of keyboards and mouses in underfunded schools in South India) go toward funding technology access to those denied opportunity, reducing the burden of poverty

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COMMUNITY SERVICE EXPERIENCE

STEM-E Youth Development Program (130+ hours (6+ months) of service) *August 2024 – Present*
- Front-end development of educational apps for non-profit aimed at promoting STEM Entrepreneurship

Orange County Regional History Center (100+ hours (4 weeks) of service) *June 2023 - July 2024*
- Assisted adult camp counselors through teaching elementary-grade campers about Orange County history through activities

Orlando Science FLL Robotics & Math Camp (90+ hours (4 weeks) of service) *November 2022 - July 2024*
- Facilitated the building, programming, etc. of FLL robots, and engaged in educational math instruction for K-6 graders

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CERTIFICATIONS

Google IT Automation with Python *March 2024 - January 2025*
- Completion of a professional, six-course certification curriculum developed by Google to gain IT Automation skills in Python

Autodesk Certified User *February 2025*
- Completion and passage of a professional CAD certification test on the Fusion360 software

Microsoft Office Specialist: Associate (Office 2019) *April 2023 - May 2023*
- Completion of a professional, three-course certification curriculum developed by Microsoft to gain a fundamental understanding of the Microsoft Office suite: Microsoft Office Specialist: PowerPoint Associate (Office 2019), Microsoft Office Specialist: Word Associate (Office 2019), and Microsoft Office Specialist: Excel Associate (Office 2019)

AWARDS AND ACHIEVEMENTS

President's Volunteer Service Gold, Silver (2x), Bronze (2x) *Grades 10 – 11*
- Awarded one of the highest community service awards possible for youth in America as a result of intensive dedication to serving society through volunteer efforts in STEM, education, and more

Congressional Award Gold, Silver, Bronze Medals *Grades 10 – 11*
- Received the Congressional Award Gold (Class of 2025), Silver, and Bronze Medals from Congress with a commitment to serving my community at large and demonstrating growth as an individual

National Community Service Awards - Ambassador Level *Grade 11*
- Received the Ambassador Level award from InnerView's National Community Service Awards program, sponsored by The United Nations Association - USA, for 100+ hours of service

National Speech and Debate Association's Speaking and Service Award *Grade 11*
- Out of 140,000 NSDA members, fewer than 750 earn this distinction which represents a commitment to using speaking/service skills for community betterment

FIRST Tech Challenge League Champion Team *Grades 9 – 11*
- Qualified to State Championships for two consecutive years as an FTC Robotics Team through high rank in the Orlando Robotics League and Inspire Award wins, and ranked top 5 there

FCDI State Championship Semifinalist *Grade 10*
- Ranked 3rd place out of 600 total students in the Florida Civics and Debate Initiative's State Championship as a Public Forum debater