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# Dev Shroff

## Elkins High School, Class of 2024

☎ 832-670-2403

✉ devbshroff@gmail.com

**Unweighted GPA: 3.98**

**Weighted GPA: 4.57**

**100 Point Weighted GPA: 102.47**

**Class Rank: 9/721**

### Test Scores

- March 2023 SAT: 1510
  - Reading and Writing: 740
  - Math: 770
- October 2022 PSAT/NMSQT: 1490
- AP Tests:
  - AP World History: 5
  - AP Computer Science Principles: 4
  - AP U.S. History: 4
  - AP Computer Science A: 4

### Awards/Accomplishments

- National Merit Scholarship Program Semifinalist (2023)
- The President's Volunteer Service Gold Award (2022, 2021, 2020)
- The President's Award for Educational Excellence (2020)
- AP Scholar with Honor (2023)
- PLTW Engineering Science Certification Exam: Distinguished level (2022)
- PLTW Aerospace Engineering Certification Exam: Distinguished Level (2023)
- FBISD Academic Excellence Award (2020, 2021, 2022)

### Certifications

- Autodesk Inventor Certified (2021)
- OSHA 10-Hour General Industry (2022)

### Internship

**Slidka Inc.** - *Software Engineering Intern*

2022

- Develop and maintain front-end web pages using React and Bootstrap
- Build fast loading, responsive, cross-browser compatible web pages
- Optimize existing website functionality for maximum speed and scalability

### Unpaid Work Experience

**Tutor** - *Math and English*

2020

- Tutored neighborhood elementary schoolers on school subjects during COVID lockdown

### Summer Programs

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## **InspiritAI Scholars**

2023

- Learned about machine learning, AI, and neural networks from MIT and Stanford Alumni
- Studied how to utilize supervised, unsupervised, and reinforcement learning
- Implemented convolutional neural networks for image classification of cancer cells
- Created a neural network project to detect distracted driving

## **Clubs/Extracurriculars**

### **The Elkins Round Table (Co-President)**

2023-present

- Weekly contribution around 2 hours
- Responsibilities:
  - Managing internal affairs of the Round Table club by overseeing operations of all departments
  - Creating a new Round Table website using a new website platform
  - Overseeing the migration of data from the old website to the new website

### **The Elkins Round Table (IT Chief)**

2022-present

- Weekly contribution around 3 hours
- Responsibilities:
  - Managing IT department of the Round Table club by overseeing uploads of weekly articles and reports on school and world events to the Round Table website
  - Uploading articles occasionally on school and world events to the Round Table website
  - Maintaining and improving design elements on the Round Table website

### **The Elkins Round Table (IT Team Member)**

2020-2022

- Weekly contribution around 1 hour
- Responsibilities:
  - Uploading weekly articles on school and world events to the Round Table website
  - Maintaining, hosting, and updating the Round Table website for seasonal updates and design changes

### **Robotics Club (Team Leader)**

2023-present

- Weekly contribution around 3 hour
- Responsibilities:
  - Leading competitive robotics team in competitions
  - Guiding team during construction of competition robot
  - Keeping records in engineering notebook

### **10th Grade Student Body Representative**

2021-2022

- Weekly contribution around 2 hours
- Responsibilities:
  - Planning and organizing student body meetings to educate the student body about current school events and future events being planned

- Organizing independent and small group activities to engage the student body at student body meetings
- Representing the interests of 10th grade students in student body board meetings

### **JPMorgan Chase GenerationTech**

February 2023

- One time contribution of 7 hours
- Lead a small group to create and pitch a solution to **UN Sustainable Development Goal number 14: Life Below Water**
- Created a mockup of an application to reduce ocean acidification by offering users ways to reduce their emissions and presented application proposal to a panel of judges

### **Mu Alpha Theta (Math National Honor Society) (Member)**

2022-present

- Weekly contribution around 1 hour
- Responsibilities:
  - Actively participating in monthly meetings
  - Volunteering at math related events to educate more people about math
  - Helping to organize events and fair booths to educate people about math
  - Participating in events that teach me how to use math in real life

### **Science National Honor Society (Member)**

2022-present

- Weekly contribution around 1 hour
- Responsibilities:
  - Actively participating in monthly meetings
  - Volunteering to help organize fair booths and presentations to teach middle school children about how science is useful in real life
  - Participating in events that teach me about real world science and scientists

### **Engineering Academy (Member)**

2020-present

- Weekly contribution around 1 hour
- Responsibilities:
  - Actively participating monthly engineering student body meetings
  - Attending presentations from guest engineer speakers on how engineering works in the real world
  - Taking four years of engineering classes
  - Completing over one hundred YES hours over my four years of high school and two engineering enrichments per semester

### **Math and Science Club (Science Sector) (Member)**

2022-2023

- Weekly contribution around 1 hour
- Responsibilities:
  - Attending weekly meetings to learn more about chemistry, physics, and biology
  - Taking virtual meet contests

## **Community Service**

### **Educating the World Association (Non-profit) (Writer and Researcher)**

2022-present

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- Weekly contribution around 2 hours
  - Responsibilities:
    - Researching, writing, and publishing monthly articles about education and the impacts of various factors on how children are educated worldwide
    - Researching and writing monthly articles upon request on specific themes relating to education

### **Educating the World Association (Non-profit) (Outreach Coordinator)**

2022-present

- Weekly contribution around 1 hour
- Responsibilities:
  - Contacting local organizations, fundraisers, and peers to spread the reach of ETWA (Educating the World Association)
  - Researching online organizations and fundraisers to establish partnerships

### **The Hidden Dream (Non-profit) (Webmaster)**

2022-present

- Weekly contribution around 1.5 hours
- Responsibilities:
  - Maintaining current website infrastructure
  - Adding new design components and pages for new events and initiatives for the website
  - Uploading blog posts to website
  - Creating new website on new web platform for old website to be migrated to

### **Codey (Non-profit) (Front-end Developer on Technology Team)**

2023-present

- Weekly contribution around 3 hours
- Responsibilities:
  - Developing front end of the Codey website in Figma prior to first release of website
  - Organizing collaboration with back end developers to launch website with React

### **Chinmaya Mission Houston (Non-profit) (Bookstore Manager)**

2018-present

- Weekly contribution around 1 hour
- Responsibilities:
  - Organizing inventory and kept track of items in the bookstore
  - Unloading and unpacking new inventory
  - Performing point of sale for bookstore items
  - Participated in special event planning, setup, and execution

### **DePelchin Children's Center (Volunteer)**

December of 2020, 2021, and 2022

- Weekly contribution around 3 hours
- Responsibilities:
  - Preparing ribbons for distribution to children to spread awareness about Child Abuse Prevention Month
  - Conducted a fundraiser for Child Abuse Prevention month

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- Collected blankets, canned food, and other supplies for foster children

## Personal Projects

### Linked-Letter ([linked-letter.web.app](https://linked-letter.web.app))

2022-2023

- Web application created for users to be able to share all of their social media links/handles with one link
- Main languages: Javascript, HTML, CSS

### Capstone Engineering Final Project

2023-present

- Creating a solution to the engineering problem of USB hubs in the real world
- Designing and building a modular solution to increase customizability on USB hubs

### Sheep Simulation

2021

- Simulating the life of sheep on a farm using neural networks
- Developed with the Unity game engine to render scenes in 3D
- Main languages: C#

### Portfolio Site ([devshroff.com](https://devshroff.com))

2023

- Portfolio website created to display my skills, accomplishments, and projects
- Main languages: Javascript, HTML, CSS

## Hobbies

- Reading, specifically realistic fiction
- Programming, mostly in Javascript, HTML, CSS, Java, and Python
  - Small past projects can be found at <https://github.com/kiwisontost>