

# Shreyas Nirmala Bhaskar

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## EDUCATION

**The Village High School** – Houston, TX | Full IB Diploma | Cumulative GPA: 102.37, Top 5%, ACT: 35

**May 2026**

## TECHNICAL SKILLS

Java, Python, MySQL, Github, React.js, JavaScript, tailwindCSS, Node.js, HTML, CSS, LaTeX, Docker, Vercel, BeautifulSoup

## RELEVANT COURSEWORK

**Computer Science:** Intro to Artificial Intelligence, AP Computer Science A (5), Intro to Computer Science.

**Math:** IB Math Analysis and Approaches Higher Level, AP Calculus BC (5), AP Statistics (5).

**Natural Science:** IB Physics Higher Level, IB Chemistry Higher Level, AP Physics C Mechanics (4), AP Physics 1 (5).

## EMPLOYMENT EXPERIENCE

**The /Nudge Institute** | Software Engineering Intern | Houston, TX

**July 2025 – August 2025**

- Created interface for proposal curation using previous proposal data and new proposal questions
- Developed a tool to recommend specific Nudge programs for specific foundations using web scraped data

**Viking Initiative for Building Excellence (Vibe)** | Co-Founder | Houston, TX

**June 2025 – Present**

- Recruited 15 tutors with top subject-specific and communication skills.
- Developed ACT course (6 lessons ~ 3 hours)
- Created a chatbot with previously loaded subject-specific context and screenshot(text/math) + text query capability for free

## PROJECTS

**BrainViz** | Houston, TX

**September 2025**

- Designed an interactive 3D brain visualization by mapping GLTF meshes to regions, building Python functions to highlight regions, simulating neural pathways, and integrating a chatbot for user queries.

**Strike Email Sender** | Village Tutoring Club | Houston, TX

**August 2025**

- Used Google Apps Script interface to write a JavaScript script to send automated attendance warning emails using SpreadsheetApp and GmailApp functions based on attendance log sheet structure.

**Honor Society Duties Tracker** | National Honor Society, Computer Science Honor Society | Houston, TX

**August 2025**

- Used Canvas LMS API, and Google Sheets API to write a python script to return a list of emails of inactive members.

**Screenshot to Latex Converter** | Viking Initiative for Building Excellence | Houston, TX

**July 2025**

- Repurposed Github Repository pix2tex for Vibe Chatbot (enhanced taylor series recognition), deployed as microservice

**Cricket Rain Affected Target Setting Method** | IB Extended Essay: Mathematics HL | Houston, TX

**July 2025**

- Modeled a novel target-setting method for rain-affected cricket matches using multivariate least squares optimization - used python scripts using NumPy and SciPy; used paired T-test to show statistically significant improvement over the DLS method.

## LEADERSHIP & VOLUNTEER EXPERIENCE

**Village Tutoring Club** | Tutoring Coordinator | Houston, TX

**August 2023 – Present**

- Organized scheduling (HS + MS Parent weekly communication), oversaw 155+ hours, increased club size by 79%

**Computer Science Honor Society** | President | Houston, TX

**August 2024 – May 2025**

- Organized bi-weekly meetings, school's first Code Challenge (25+ participants), led club with no prior club participation

**National Honor Society** | Vice President | Houston, TX

**August 2024 – Present**

- Raised \$10.5K+ for Childhood Cancer Awareness, organized bi-weekly meetings, induction for 120+ members

**Model United Nations** | Director of Research | Houston, TX

**August 2024 – Present**

- Made 15+ hours of material for new delegates, created and executed 4 mock conferences with 8 member leadership team

## HONORS

- AP Scholar with Distinction | Best Research HAMUN - NATO | FIT Robotics District Finalist | FIRST Robotics State Qualifier | 2nd most valuable bowler - South Texas Youth Cricket League | Represented Houston at MLCjr Championship U17 (Nationals)