

# Rebanto Nath

[rebanto.nath@gmail.com](mailto:rebanto.nath@gmail.com)

**Portfolio:** <https://rebanto.vercel.app>

[linkedin.com/in/rebanto-nath](https://www.linkedin.com/in/rebanto-nath)

**Github:** <https://github.com/rebanto>

## Summary:

- Junior at FCS Innovation Academy, School of Information Technology (IT) – Class of 2027
  - Technology enthusiast with focus in the area of AI/ML and web/app development
- 

## Achievements:

- **Co-authored and published a peer-reviewed** paper on musculoskeletal abnormality detection (**AI computer vision**) with Dr. Roy Choudhury (Valdosta State University); presented at the **Bioimaging International Conference (INSTICC)**, March 2026.
  - **Won \$10,000 in funding as 1<sup>st</sup> place** out of 95 other teams across Georgia for Plantopia business idea at 2025 STEMUp Live Pitch Competition
  - Governor's Honors Program (**GHP Finalist (Comp Sci)**), (1 of ~15 students in Georgia)
  - **Featured Speaker, TEDxIA:** "How AI is Changing What it Means to Be Smart" – Analyzed the evolving definition of "intelligence" in the age of generative models.
  - Selected as one of the **top 45 student researchers in Georgia to present original AI research** at the Georgia Junior STEM Symposium (GJSS), hosted by the University of Georgia.
  - **Won \$4000 prize as 1<sup>st</sup> place** in 2025 KSU Fintech Hackathon (**college-level w/ 50+ teams**)
  - **Placed 4<sup>th</sup>** in 2025 Microsoft Atlanta Divergent Teams Hackathon (30+ teams)
  - Recognized as **2025-26 IT Student of the Year** (selected as 1 out of 400 IT students in school)
  - TSA (Technology Student Association) **State finalist** in several categories (Coding, Software Development, Webmaster) in Georgia TSA State Conference 2025
  - **Ranked 15<sup>th</sup> nationally** in 2024 National French Exam
- 

## Community Impact & Extracurricular Activities:

- **Co-founder of Phoenix Tech Solutions**, a non-profit dedicated in building technological solutions for other non-profits and mission-driven organizations in the community.  
**Partnered with 7 organizations** to date with 10+ in waitlist, including:
  - Hands of Hope - uses our technology solutions to raise **\$15,000** and manage **100+ volunteers** spread over **10 locations internationally**
  - Champions Place - a residence of disabled young adults (built a **platform showcasing their stories** and center)
- Founder/President of IA Competitive Programming Club (~30 members)
  - Led weekly meeting and coached students for USACO (Computing Olympiad)
- FCS Innovation Academy IT School Leader – **lead weekly workshops for 400 IT students**
- **Chapter Treasurer**, Technology Student Association (TSA) Innovation Academy Chapter
  - Handled logistics of **100+ club members** and **>\$10,000 in funds**
- Employed in **part-time paid job as Kumon instructor**, teaching math and reading
- Developed official school website **used by thousands of students weekly** as a critical member of School Web Dev Team
- Innovation Academy Student Ambassador – help organize and execute school events
- Varsity Debater – Innovation Academy Debate Team
- Junior Varsity Soccer Player – Represented high school in regional competitions

## Notable Projects:

- Plantopia: **AI-powered agri-tech startup** serving farmers & botanists, **backed by thousands of dollars in corporate funding (NCR, Assurant)**
  - Waypoint: **schoolwide AI chatbot** to ease scheduling burdens for teachers, **built in collaboration with high school administration and school district.**
  - Student productivity enhancing iOS app using React Native, released on App Store (2024)
  - Modeled scientifically accurate plant cell model in Blender 3D
  - Produced video documentary about gun rights and submitted to C-SPAN channel
- 

## Education:

- Junior in Innovation Academy High School (Class of 2027) with a current **UW/W GPA of 97/102.**
  - Attained a **SAT score of 1550/1600** in March 2025.
  - Diploma in Kumon Mathematics and Reading Program (completion and mastery)
- 

## Skills:

### Programming Languages –

Extensive: Python, HTML/CSS || Intermediate: C/C++, JS/TS, Java || Basic: C#, R, SQL

### Technologies –

**Software Development:** React/Next.js, AngularJS, React Native, Flask, FastAPI, Supabase, Git

**AI & Research:** PyTorch, Google Colab, LaTeX

**Design & Modeling:** Blender 3D, Unity, SolidWorks

**Tools:** Jira, Visual Studio, VS Code, Canva, Microsoft Office Suite

**Soft skills –** Public Speaking, Teamwork, Leadership, Communication, Creative Writing

**Other –** CPR Certified

---

## Relevant Coursework:

**Georgia Tech Distance Math:** MATH 1554 (Linear Algebra), MATH 2551 (Multivariable Calculus)

**Georgia Tech Distance CS:** CS1301 (Python), CS1331 (Java)

**AP:** Computer Science Principles, Calculus BC, Statistics, Physics 1, Seminar, Research

**Other:** Embedded Computing

---

## Hobbies:

- Soccer, Competitive programming, Reading books, Chess, 3D Modeling.