

# Ahmed Alamin

267-968-2802 | [ahmedalamin957@gmail.com](mailto:ahmedalamin957@gmail.com) | <https://linkedin.com/in/ahmedalamin/> | <https://github.com/ahmedalamin/>

## EDUCATION

### Villanova University

Villanova, PA | Expected Grad May 2027

- Bachelor of Engineering in **Computer Engineering**, Minor in **Computer Science**
- GPA: 3.73/4.00, Fall 2023 & Spring 2024 Dean's List
- **Relevant Coursework:** Summer 2024 CodePath Technical Interview Prep. **Fall 2024:** C++ Algorithms & Data Struct, Fundamentals of CPE, Electric Circuits Fundamentals, Principles of Database Systems. **Completed:** Discrete Structures, Diff Equation with Linear Algebra, Calculus II, CodePath Intro to Web Development.

## TECHNICAL SKILLS

- **Languages/Frameworks:** Python, C, JavaScript, HTML/CSS, React, Node.js
- **Technologies:** Git, Visual Studio Code, Arduino, Microsoft Office, Maple
- Fluent in Arabic
- ColorStack, National Society of Black Engineers, Villanova Economics Society
- AT&T Technology Academy, **NVIDIA** Summer Bridge, Philly Codefest Hackathon @ Drexel University

## EXPERIENCE

### AI4ALL Ignite, Incoming Fellow

Virtual | Sep 2024 - Feb 2024

- Will create an AI portfolio project with guidance from industry experts, gaining skills in AI and machine learning techniques. Culminates in a presentation at a virtual symposium for AI professionals and recruiters.
- Will participate in comprehensive career readiness training including mock technical interviews, resume workshops, and professional development sessions.

### CodePath - Technical Interview Prep, Incoming Paid Tech Fellow

Virtual | Sep 2024 - Nov 2024

- Will circulate breakout rooms during class sessions, facilitate conversations, and assist students with coding challenges and technical questions to ensure a collaborative, supportive, and participative learning environment.

### Capital One Black and Hispanic Tech Summit, Participant

Virtual | Week of May 13th, 2024

- Chosen as one of 49 out of nearly 350 applicants (~14%) to attend a week-long virtual summit. Consisted of workshops on Git, Arduino, APIs, AR, React, Node.js, and the GCA. Concluded with a FinTech-themed hackathon.

### Mathnasium, Math Tutor

Paoli, PA | Jan 2024 - Present

- Tutored students K-12 by assessing their mathematical skills to create a customized learning path to establish solid mathematical foundations, address gaps, and develop problem-solving and critical thinking skills.

## TECHNICAL PROJECTS

### Front-End Personal Portfolio

- Designed a comprehensive portfolio website featuring a home, about me, portfolio, contact, and resume sections. Leveraged HTML/CSS, JavaScript, and React to create a dynamic, aesthetic website.

### InvestOne, Capital One Black and Hispanic Tech Summit Hackathon | HTML/CSS | JavaScript | Node.js

- Collaborated with 2 teammates to design a website aiding a user's investing journey. Integrated a Custom GPT to provide 24/7 assistance to specific questions and developed a streamlined portfolio section to allow a user to track their various investments. Utilized AlphaVantage API to fetch essential stock information.

### Structural Flexural Member with Smart Technology, Smartbeam Course | C++ | Arduino

- Collaborated with 3 teammates to develop a wood beam design spanning over a 7.5ft creek, leading optimization of beam design within project constraints of 0.25-inch deflection and 800 strain through structural mechanic mathematical analysis
- Integrated Arduino and C++ with wood beam and strain gauges to enable real-time monitoring of strain and deflection