

Syed Ibrahim Ahsan

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Education

BACHELOR OF SCIENCE (B.S.) IN COMPUTER SCIENCE

May 2026

Brooklyn College • New York City, NY

Coursework: Operating Systems, Data Structures, Architecture, Algorithms, Artificial Intelligence, Probability, Calculus 2, Discrete Math, Computer Graphics, Game Design & Development, Database Systems

High School Diploma

May 2021

HPHS Manhattan • New York City, NY

Cambridge International Education - O'Level Examinations

June 2019

A*'s in Computer Science, Math, Physics; A's in Chemistry, Biology, English

Additional Coursework:

CS50 Harvard: Computer Science

Projects

- **YANA (Yet Another Notes Application)** <https://yana.work> *React, TypeScript, Flask Python, PostgreSQL - [GitHub Link](#)*
 - Built & Deployed full-stack personal knowledge management system with a React 19 frontend and Flask/Postgres backend
 - Implemented advanced features real-time search, wiki links, board-based organization, and rich text editing
 - Designed modular architecture with context-based state management, custom hooks, and comprehensive testing infrastructure
- **Interactive Island Render** *JavaScript, THREE.js, Cannon.js - [GitHub Link](#)*
 - Developed an interactive 3D island environment using THREE.js, real-time lighting, shadows, weather, & animated wave effects
 - Integrated custom particle systems, shader-based terrain rendering, and interactive GUI controls
- **Bank Account Application** *Java, OOP - [GitHub Link](#)*
 - Built console-based banking system with deposits, withdrawals, and a robust transaction tracking system using Java OOP
 - Implemented account types (Checking, Savings, CD) with data persistence, input validation and rigorous error handling
- **Whack-A-Prof** *JavaScript, HTML, CSS - [GitHub Link](#)*
 - Led 15-person team through development of a browser game with interactive gameplay and score tracking

Experience

Ascend Analytics - Intern

June-December 2025

- Contributed to the development of agentic AI tools, supporting autonomous decision-making systems for analytics.
- Assisted in designing and testing AI agents to optimize forecasting, planning, and market strategies.
- Collaborated on the development of agent workflows, improving decision accuracy and response efficiency

Ready Guard Security Services - Assistant

May-August 2023

- Supported efficiency improvements through office software for reports, presentations, and database tasks.

Qasim Rashid Congressional District Campaign, VA - Intern

2020-2021

- Aided campaign strategy through data analysis and multi-channel outreach to boost voter turnout.

Skills

- **Languages:** Java, JavaScript, Python, TypeScript, SQL, HTML, CSS, C and C++
- **Frameworks:** React, Tailwind CSS, Flask, React Native
- **Tools:** Git/GitHub, PostgreSQL, npm, Vite, Railway, Docker, VS Code, Unity, Figma, Microsoft Office
- **Team & Project Work:** Project lead, Git-based team workflows, Code review practices
- **Natural Languages:** Fluent in English, Urdu, Hindi, Punjabi, Pashto, Japanese (Beginner)
- **Additional:** Graphic design, technical presentation skills, photo editing, video editing

Activities and Interests

- **Activities:** CS Club at Brooklyn College; Team Captain for Collegiate Esports team; Student Government Association; Robotics Club and First Lego League; Volunteer work
- **Interests:** Video games; weightlifting; tennis; reading; travel; exploring emerging tech/tools