

BILASH SARKAR

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EDUCATION

Fordham University - Bronx, NY
B.S. in Computer Science

Expected May 2026
Overall GPA: 3.5/4.0

Relevant Courses: Computer Algorithms, Data Structures, Database Systems, Machine Learning/Data Mining, Discrete Structures, Computer Organization, Theory of Computation, Data Communications & Networks

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, HTML, CSS, PHP, Swift, Java, Assembly

Frameworks: React, Arduino

Tools/Technologies: Firebase, AWS, Git/GitHub, Linux, MAMP, MySQL, Oracle

PROFESSIONAL EXPERIENCE

Fordham University, IT Service Desk Intern, Bronx, NY

June 2024 - Present

- Provide technical support to 10,000+ students, faculty, and staff, directly contributing to a 100% satisfaction rate by resolving hardware, software, and service issues across Windows, macOS, and mobile platforms, while also working across multiple teams to assist 4000+ users with Google Storage management.
- Supervise and mentor 20+ student employees at the IT Service Desk, ensuring consistent service quality and smooth day-to-day operations.
- Diagnose and resolve technical challenges by analyzing system logs, identifying root causes, and implementing solutions; maintain detailed documentation of troubleshooting procedures in an internal knowledge base to improve efficiency and reduce recurring issues.
- Represent the IT department at university fairs, addressing student and parent inquiries while promoting department services.

PERSONAL PROJECTS

WatchThis – Full-Stack Movie & TV Show Discovery App

January 2025 - Present

- Designed and developed a Movie and TV show streaming availability checker with JavaScript, PHP, HTML, and CSS, featuring a user-friendly graphical interface to search movies and browse a selection of popular items.
- Leverages multiple APIs like Streaming Availability and TMBD to access movie/show data.
- Enables user accounts and sessions for logging in.
- Implements caching techniques to store data in case APIs return bad results.

StudyBuddy – Full-Stack Study Tool

March 2025 - Present

- Built a study app in Swift, integrating Firebase for authentication, file storage, and real-time data sync.
- Enabled user accounts with personalized details, folders, and study sets, ensuring unique usernames/emails.
- Integrates AI to generate personalized study sets, speeding up the set creation time by up to 90%.
- Added social features for sharing study sets and peer communication.
- Developed custom learning games to enhance memorization and engagement.

MySQL Development Tool

February - March 2025

- Designed a MySQL database framework using C++ and Regex to take user inputs and create/retrieve data.
- Leveraged object-oriented programming concepts such as classes, strings, loops, and functions to create an engaging and dynamic user experience.
- Creates and manages directories (databases) and files (tables) to allow users full database management capabilities.

EXTRACURRICULAR ACTIVITIES

Commuter Student Services, Member, Bronx, NY

August 2022 - Present

- Engage in events to support and build community among commuter students.
- Welcome and assist 100+ incoming students during the annual Commuter BBQs, fostering a sense of belonging.
- Represent the IT department at events, guiding commuter students on available technology resources.

Fordham South Asian Entity (FUSE), Member, Bronx, NY

August 2022 - Present

- Participate in cultural and community-building events to promote South Asian heritage and inclusivity.
- Attend general meetings and contribute to discussions.
- Collaborate with student organizations, including the Bengali Student Association (BSA), to enhance student engagement and cross-club participation.