# Aadil Alli

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## EDUCATION

**Hofstra University**

*B.S. Computer Science (Dean's List)*                                        *Expected Graduation May 2026*

- **Courses:** Software Engineering, Systems Programming, Web Application Development, Mobile Programming, Programming Languages, Operating Systems, Computer Architecture, Data Structures & Algorithms, Cryptography

## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, SQL, Java, C, C++
- **Frameworks/Libraries:** Next.js, React, React Native, Expo
- **Software & Tools:** Git, Jira, Confluence, Postman, n8n, AI SDK/API
- **Database:** PostgreSQL, NeonDB, Supabase
- **Skills:** Technical and analytical problem solving, and learning agility

## EXPERIENCE

**Disko**, *Remote*

**Software Development Intern**                                             *March 2025 - Present*

- Led the migration from a legacy Angular codebase to Next.js, improving developer efficiency and deployment workflows.
- Built dynamic, responsive UI interfaces using Next.js, Shadcn, and Tailwind CSS, optimized for cross-device performance.
- Assisted integration of the front-end application with a custom Node.js backend, managing API communication, state synchronization, and error handling.
- Implemented a simple authentication system using Auth.js, enhancing account management and secure session handling.
- Collaborated directly with founders to translate product requirements and user feedback into technical solutions in a fast-paced startup environment.

**Hofstra University,** *Hempstead, NY*

**Computer Science Technician**                                             *October 2022 - Present*

- Rebuilt and enhanced the department's email server following a security breach, upgraded its capabilities and configured advanced measures using Postfix, ClamAV, RFC standards, SSH guard, and firewalls deployed to an AWS EC2 instance.
- Implemented multi-factor authentication for SSH access to Linux machines preventing thousands of daily SSH attacks and probes in Linux environments.
- Deployed and tested IBM Storage Scale and HPE PFSS environments for NVIDIA GPU cluster file storage through Ansible scripts and IBM's administration commands for installations and management.
- Designed and implemented an automated VM provisioning system using n8n workflows that orchestrates Ansible playbooks for virtual machine deployment and dynamic IP address allocation, streamlining infrastructure management processes.
- Collaborated with peers and coworkers on projects while tracking issues and documenting in Jira and Confluence.

**MakerSpace Software Developer**                                          *June 2024 - Present*

- Developed and deployed a containerized student and employee management system to an on-premises VPS using Docker and Traefik reverse proxy for HTTPS traffic management. Built with Next.js, BetterAuth, and PostgreSQL, reducing time needed for managing and accessing student info, trainings, and certifications.
- Created an API to track student usage data of machines and equipment, providing actionable insights that informed resource allocation decisions for department leadership.
- Automated previously manual tracking processes, enhancing efficiency for the director and employees.
- Led a 4-person development team using Agile methodology to assist in issue management, scaling, and project growth.

## SOFTWARE PROJECTS

**SaaStrike**

- A comprehensive SaaS platform utilizing OpenAI GPT-4.1 and Reddit API to analyze community discussions and generate validated business opportunities through LLM prompt engineering and RAG-like architecture, serving 60+ users who have generated hundreds of startup ideas. Built with Next.js, NeonDB, PostgreSQL, Better Auth, and Polar for subscription and payment management and automated credit-based usage tracking.

**Authlink**

- Product authentication system leveraging blockchain technology and tamper-proof NFC tags to provide immutable verification for luxury goods. Built with Next.js, Rust/Node.js backends for Solana blockchain interactions, and NTAG 424 chip integration.

## ACHIEVEMENTS

**Amazon-Sponsored Capture the Flag Competition**                          *November 2025*

- Won first place and $6,000 prize in cybersecurity CTF against teams from Hofstra University, NYU, St. John's, NYIT, and NCC, solving challenges in Web Exploitation, SQL injection, Reverse Engineering (binary analysis, decompilation), PWN (buffer overflows, exploit development), and Cryptography (cipher analysis, hash cracking, JWT exploitation).