

# Abdullah Khan

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## EDUCATION

### Farmingdale State College

Expected Graduation: May 2026

Bachelor of Science in Computer Science, Minor in Applied Mathematics

Farmingdale, NY

- Relevant Courses: Data Structures and Algorithms, Discrete Structures, Object Oriented Programming, Software Engineering, Mobile App Development, Computer Architecture, Systems Programming, Linear Algebra

## EXPERIENCE

### Farmingdale State College

Aug. 2024 – Present

Computer Science Peer Tutor

Farmingdale, NY

- Provided expert guidance in Object-Oriented Programming to undergrad students, resulting in significant grade improvements

### CodePath

May 2024 – Aug. 2024

Technical Interview Prep Apprenticeship | Certificate

Remote

- Participated in a technical interview prep course led by Meta, Amazon, and Microsoft engineers, enhancing skills in software industry preparation and coding interview techniques

### International Cricket Council

May 2024 – Aug. 2024

Information Technology Intern

East Meadow, NY

- Deployed and configured computers, printers, network systems, and other hardware for 9 departments, ensuring 100% uptime during the T20 Cricket World Cup for 500,000+ attendees and 200+ million viewers
- Resolved 150+ support tickets, including software crashes and printer malfunctions, reducing average response time by 20% and minimizing downtime
- Trained staff on hardware and software usage, creating documentation that reduced support requests by 25% and received positive feedback from 80% of users

### Engageathon

Jan. 2024 – May 2024

Software Developer Intern

Bala Cynwyd, PA

- Implemented user authentication and content creation features in React Native for the mobile app using Django and PostgreSQL, resulting in a 40% increase in daily active users and 75+ app downloads
- Optimized API performance using Django REST framework and Swagger UI, reducing average response time by 60%
- Led a 15-member Agile development team, driving bi-weekly sprints and daily stand-ups, which accelerated feature delivery rate by 30%, achieved 95% of sprint goals, and reduced bug backlog by 40%

### AT&T

July 2023 - Aug. 2023

Technology Academy Apprenticeship | Certificate

Remote

- Completed a 6-week intensive training, mastering Agile and Scrum, which improved software development efficiency and enhanced project management skills
- Gained hands-on experience with 5G strategy, cloud computing, and network troubleshooting, leading to improved business performance through effective data analytics

### Pongspace

June 2023 – Aug. 2023

Web Developer Intern

New York, NY

- Redesigned previous reservation system, implementing robust email verification workflows using React and Node.js, resulting in a 95% reduction in booking errors and a 40% increase in successful reservations
- Created a corporate league event page using React, facilitating the organization of events for over 100 teams, enhancing community engagement, and driving a 30% increase in site traffic

## PROJECTS

### TeamDocs (Google Docs Clone) | Next.js, TypeScript, TailwindCSS

- Simplified Google Docs app, including web page, database & server to process and store document data
- Engineered a WebSocket-based communication layer using Socket.IO, enabling real-time document editing with less than 100ms latency for over 50 simultaneous users

### Kartenchaos (Self-Created Card Game) | HTML, CSS, JavaScript, Socket.IO, Node.js

- Developed a strategic 1v1 health-point card game that increased player retention by 40% through balanced gameplay mechanics involving luck and tactics.
- Implemented extensive customization features, including selectable card designs, background music, and in-game chat options, improving user reviews by 50%
- Handled real-time multiplayer interactions using Socket.IO, maintaining stable performance for 100+ active players, and achieving a 95% uptime rate

## TECHNICAL SKILLS

**Languages:** C, C++, C#, Java, JavaScript, Python, Kotlin, TypeScript, HTML/CSS, SQL

**Developer Tools:** Git/GitHub, Jira, Docker, AWS, Agile, MongoDB, Postman, Firebase, LaTeX, Visual Studio, Android Studio

**Technologies/Frameworks:** React, Next.js, Express.js, Node.js, Angular.js, TailwindCSS, SpringBoot, Flask, Django

## LEADERSHIP

### AI & Machine Learning Club

Dec. 2023 – Present

Co-Founder

Farmingdale State College

- Recruited 30+ members and organized expert talks, hands-on workshops, and presentations, demonstrating AI/ML's societal impact and modern applications