

# UTKARSH AGGARWAL

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◇ [linkedin](#)

## OBJECTIVE

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As a student of Computer Science with hands-on experience in full stack web development, cybersecurity, and software engineering, I am seeking opportunities to apply my diverse skill set. My goal is to contribute to innovative projects and continue advancing my expertise in web technologies, security, and software engineering.

## EDUCATION

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**APJ Abdul Kalam University,** 2022 - 2026  
BTech in Computer Science with Specialisation in IoT

## SKILLS

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**Programming Languages:** Python, Java, C++, JavaScript (ES6+), HTML5, CSS3, SQL, NoSQL (MongoDB)

**Web Development:** React.js, Node.js, Responsive Web Design, RESTful API Development, Basic experience with Angular or Vue.js

**Cybersecurity:** SIEM tools (Splunk, LogRhythm, IBM QRadar), Incident Response, Firewalls, IDS/IPS, VPN technologies, Vulnerability Assessment, Nessus, OpenVAS, Qualys

**Software Design Patterns:** Singleton, Factory, Observer

**Version Control:** Git, GitHub

**Software Testing:** JUnit, PyTest

**Risk Management:** Risk assessment methodologies

**Malware Analysis:** Basic malware types, sandbox environments

## EXPERIENCE

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**Security Analyst Job Simulation** Jul 2024 - Aug 2024  
Mastercard

- Configured a local development environment, including the installation of necessary security tools and dependencies.
- Resolved issues in the codebase to ensure secure data handling and application functionality.
- Utilized Mastercard's open source library to create a real-time security dashboard for monitoring and visualizing security event data.

**Software Engineering Job Simulation** Jul 2024 - Sep 2024  
JPMorgan Chase (JPMC)

- Set up a local dev environment by downloading the necessary files, tools, and dependencies.
- Fixed broken files in the repository to make web application output correctly.
- Used JPMorgan Chase's open source library called Perspective to generate a live graph displaying a data feed in a clear and visually appealing way for traders to monitor.

**Security Intern** May 2024 - Jun 2024  
CodeAlpha, Gzb, Uttar Pradesh

- Led cybersecurity initiatives, resulting in improved overall network security and compliance.
- Applied secure applications, enhancing data protection and mitigating risks using encryption, firewalls, and intrusion detection systems.

**Jr Intern** Aug 2023 - Sep 2023  
CodSoft, Noida, Uttar Pradesh

- Worked on various development tasks and gained exposure to industry practices.

## Development Intern

Oct 2023 - Dec 2023

Bharat Intern, Gzb, Uttar Pradesh

- Contributed to development projects and gained hands-on experience in web technologies.

## Project Intern

Sep 2023 - Oct 2023

Oasis Infobyte, Gzb, Uttar Pradesh

- Assisted in project development and participated in team activities.

## PROJECTS

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**Web Music Player App:** Developed a responsive web music player app with a navigation bar, current song display, and links to settings and local music pages.

*Technologies Used:* HTML5, CSS3, JavaScript, React.js, Node.js, API integration.

**Flashcard Learning Tool:** Created a flashcard learning tool using React for the frontend and Node.js with MySQL for the backend.

*Technologies Used:* React.js, Node.js, MySQL, Express.js.

**Movie Search Tool:** Developed a movie search tool allowing users to search for movies, view details, and save their favorites.

*Technologies Used:* React.js, Node.js, Firebase.

**Library Management System (Java/Python):** Developed a console-based application for managing library operations, utilizing core data structures for optimized search and inventory management.

**E-Commerce Website (React, Node.js):** Built a full-stack platform with a responsive UI using React, backend services with Node.js, and MongoDB for product data management.

**Online Quiz System (SQL, Java):** Designed a quiz application with user authentication, utilizing SQL for efficient data storage and retrieval.

**Portfolio Website:** Built a personal portfolio website showcasing my projects, skills, and experience with a modern design and interactive elements.

*Technologies Used:* HTML5, CSS3, JavaScript, React.js.

**Task Management App:** Designed and developed a task management application to help users track and manage their tasks efficiently.

*Technologies Used:* HTML5, CSS3, JavaScript, React.js, Node.js.

## EXTRA-CURRICULAR AND LEADERSHIP

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- Published blogs on [Medium](#), covering tech topics and job roles.
- Admin of a tech community on [Instagram](#) with 3,000+ members, organizing events and engaging with industry professionals.