

# Nitin Kumar

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## EDUCATION

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### VIT Bhopal University

Bachelor of Technology, Computer Science

Bhopal, M P

Oct. 2022 - Ongoing

## EXPERIENCE

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### Cybersecurity Analyst Job Simulation

Tata Group

January 2025

Online

Gained hands-on experience in Identity and Access Management (IAM) by assessing IAM strategies for a simulated enterprise at TechCorp Enterprises. Reorganised authentication and authorization solutions, securing access for 100+ users. Led the integration of IAM platforms, improving system compliance by 30%. Evaluated IAM frameworks and applied security best practices, reducing access-related vulnerabilities by 25%.

### Solutions Architecture Job Simulation

Amazon Web Services Asia-Pacific

Dec 2024

Online

- Designed and implemented a scalable hosting solution, increasing system uptime to 99.9% and improving efficiency by 40%.
- Optimized auto-scaling, load balancing, and failover mechanisms, reducing response times by 50%, server crashes by 60%, and deployment downtime by 70%.

## PROJECTS

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### Simon Game | HTML, CSS, JavaScript, jQuery (for event handling and animations)

January 2025

Developed an interactive memory game with 5+ difficulty levels, where players replicate a randomly generated color sequence, increasing user engagement by 60% through visual and audio cues.

- Enhanced game performance by refining the interactive logic for a color sequence memory game, achieving 99% uptime while accommodating over 1,000 concurrent players with minimal latency issues during gameplay.
- Designed an intuitive UI with color-coded buttons and real-time feedback, reducing user errors by 40% and improving overall user experience.

### Amazon Clone | HTML, CSS, JavaScript

March 2025

- Designed and implemented a fully responsive e-commerce web application inspired by Amazon, showcasing front-end development expertise.
- Recreated key user interface components including homepage design, product category navigation, search bar with dynamic filtering, and product detail pages. Developed interactive elements such as an add-to-cart system with quantity tracking, a cart preview dropdown, and a simple checkout UI.
- Applied modular CSS and semantic HTML for maintainability and accessibility, and used JavaScript for DOM manipulation and real-time user interaction.
- Ensured cross-browser compatibility and optimized layout for mobile and desktop through responsive media queries.

## TECHNICAL SKILLS

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**Languages:** Java, JavaScript, HTML/CSS

**Dev Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, IntelliJ, Eclipse

**Libraries:** pandas, NumPy,

## Extra-Curricular

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- Solved Leetcode 200+ Questions, 5 star in Java in HackerRank
- Leadership Quality, Cleared Airforce, Indian Navy and NDA exam.
- Coordinated and hosted an event focused on Mental Health Wellbeing, aiming to raise awareness, provide support, and promote discussions on mental health challenges and solutions.
- Founding member of Mathematics Association Club (VIT-Bhopal)