

# Abhishek Kumar

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## Objective

Dedicated and detail-oriented Computer Science student with a strong background in Java, Data Structures & Algorithms (DSA), and cloud technologies (AWS). Seeking a challenging role as a Cloud Engineer or Web Developer to contribute technical skills in Java, DSA, AWS, HTML, CSS, JavaScript, and React, while expanding expertise in real-world industry projects and delivering high-quality solutions.

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## Skills

- Programming Languages: Java, C, JavaScript
  - Web Technologies: HTML, CSS, JavaScript, React, Bootstrap
  - Cloud Computing: AWS (VPC, EC2, RDS, S3, CloudFront, Auto Scaling, IAM)
  - Frameworks: Spring Boot, JavaFX
  - Database Management: MySQL, SQL
  - Version Control: Git, GitHub
  - Problem-Solving & Algorithms: Strong expertise in DSA, Code Optimization
  - Tools: IntelliJ IDEA, Eclipse, Visual Studio Code
  - Soft Skills: Collaboration, Communication, Adaptability, Time Management
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## Professional Experience

### Java Development Intern

*Cognifyz Technologies – September 2024 – Present*

- Develop scalable, performance-focused Java applications using Java Spring Boot.
- Design and implement RESTful APIs to facilitate smooth front-end and back-end integration.
- Optimize code to improve application efficiency, reduce response times, and ensure reliability.
- Collaborate with team members on code reviews to maintain coding standards and enhance performance.

### Web Development Intern

*Prodigy InfoTech – September 2024 – Present*

- Build interactive and responsive web applications using HTML, CSS, JavaScript, and React.
- Design and implement custom React components to enhance user experience and application functionality.
- Deliver fully functional stopwatch web application with start, pause, reset, and lap

functionalities.

- Collaborate with senior developers to identify and implement optimizations for existing codebases.

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## Key Projects

### • University Management System

Technologies Used: Java, JavaFX, MySQL

Developed a comprehensive management system with role-based authentication and secure database access. Designed an intuitive GUI for easy navigation and database interactions using JavaFX.

### • Task Manager Application

Technologies Used: HTML, CSS, JavaScript, React

Created a task management app with dynamic task creation, editing, and deletion functionalities. Integrated React hooks like useState and useEffect to manage component states effectively.

### • AWS Cloud Infrastructure Setup

Technologies Used: AWS (VPC, EC2, RDS, S3, IAM, CloudFront)

Configured a scalable and secure AWS cloud infrastructure with public and private subnets, auto-scaling, and load balancing. Utilized CloudWatch for real-time monitoring and logging, ensuring robust performance.

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## Certifications

- AWS Cloud Computing Certification – Ikigai School of AI
- Data Structures and Algorithms with Java – Apna College
- HTML, CSS, JavaScript, and React Certification

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## Education

B.Tech in Computer Science

Babu Banarasi Das University, Lucknow, Uttar Pradesh

(Expected Completion: 2025)