

# PRINCE GARG

Full Stack Developer | System Design | Cloud Computing | Btech | CSE

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## PROFILE SUMMARY

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Second-year BTech CSE student specializing in Full Stack Development at The NorthCap University. Experienced in backend technologies such as Golang, Spring Boot, Node.js, Flask, and Java. Passionate about data, technology, and the endless possibilities they offer. Exploring the intersections of computer science and software development. Keen interest in solving real-world problems, cloud computing, and system design.

## EDUCATION

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**The NorthCap University**  
BTECH(Computer Science)  
CGPA:8.68

May 2027

## RELEVANT COURSEWORK

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Front-End Technology | Back-End Technology | Project Management | Cloud Computing | Problem Solving | System Design | Database Management Systems | Artificial Intelligence | Microservices

## TECHNICAL SKILLS

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**Languages & Frameworks:** React | HTML | CSS | Node.js | Figma | Flutter | Java | Python | Go | Spring Boot | Hibernate.

**Cloud Services:** AWS | Microsoft Azure | IBM Cloud

**Databases:** MySQL | MongoDB | DynamoDB

**Tools & Others:** Docker | Firebase

## PROJECTS

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### VoxCart – Multi-Agent AI E-commerce Recommendation System [Link](#)

- Engineered an intelligent e-commerce platform with SPADE-based multi-agent architecture (CustomerAgent, ProductAgent, RecommendationAgent, MemoryAgent)
- Implemented voice authentication using Librosa and JWT-based security
- Built a React.js + Flask interface to simulate agent interactions
- Features include encrypted storage, cryptographic signature verification, and Dockerized deployment

### Smart Farming Monitoring IoT System [Link](#)

- Developed a Spring Boot-based Smart Farming IoT Monitoring System with RESTful APIs for real-time field and sensor data management.
- Implemented JWT authentication and role-based access control using Spring Security for ADMIN and FARMER roles.
- Built analytics endpoints to identify fields needing attention based on temperature, moisture, and pH levels.
- Integrated AOP for logging, wrote JUnit 5 unit tests, and documented APIs using Swagger/OpenAPI.
- Used H2 in-memory database for testing and simulation; supported secure login with encrypted passwords (BCrypt)

## AWARDS

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Career Essentials in Generative AI by Microsoft and LinkedIn [Certificate](#)  
AWS Academy Graduate - AWS Academy Cloud Foundations [Certificate](#)  
Deploying and Evaluating GenAI Apps with MongoDB [Certificate](#)  
Google Play Store Listing [Certificate](#)

JULY2024  
November 2023  
March 2025  
March 2025