

# ARYAN VERMA

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## PROFILE

MCA graduate with strong academic foundations in software development, data structures, and algorithms. Experienced in full-stack web development, Android application development, and embedded systems, with research interest in emerging and secure computing technologies.

## ACADEMIC & TECHNICAL SKILLS

**Programming Languages:** C, C++, Python, JavaScript

**Web Technologies:** React.js, Node.js, REST APIs

**Mobile Development:** Android (Kotlin, XML, Jetpack Compose)

**Databases:** SQL, Structured Data Management

**Embedded Systems:** Arduino, Embedded C, Ultrasonic Sensors

**Tools:** Git, MS Word, MS PowerPoint

## PROFESSIONAL EXPERIENCE

**Prompt Engineering Intern** – Atharva Optikos Syndseis Pvt. Ltd., Raipur (June 2024 – August 2024)

- Designed structured prompts to enhance LLM accuracy.
- Conducted prompt evaluation aligned with software workflows.
- Documented findings and collaborated with cross-functional teams.

## PROJECTS

**Uber-Like Ride Booking Web Application** (React.js, Node.js)

- Developed a full-stack web application with booking features.
- Implemented backend services and storage management.

**IoT Obstacle Detection System** (Arduino, Embedded C)

- Designed a real-time obstacle detection system using ultrasonic sensors.
- Implemented distance calculation and alert mechanisms.

## EDUCATION

**Master of Computer Applications (MCA)**, Amity University, Raipur (2025 – Present)

**Bachelor of Computer Applications (BCA)**, Amity University, Raipur (2022 – 2025) | CGPA: 7.81

**Higher Secondary (Commerce)**, Gurukul English Medium Higher Secondary School (2022) | 65.2%

## CERTIFICATIONS

Mastering Android App Development with Kotlin

The Complete Python Bootcamp

Security Operations Center (SOC)

Foundations of Software Testing and Validation

Software Engineering Job Simulation

AI in Digital Marketing

## **PUBLICATIONS**

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Impact of Quantum Computing on Cybersecurity – Review Paper (Published)

Innovative Features in Uber Clone Applications: The Extra Storage Solution – Research Paper (Published)