

# NIRAJ KUMAR SINGH

Patna, Bihar, India

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## OBJECTIVE

Driven by a profound passion for technology and fueled by an insatiable curiosity for problem-solving, I am seeking opportunities to leverage my skills and enthusiasm as a dedicated Computer Applications student at Amity University, Patna. Eager to contribute to innovative projects and collaborate within dynamic environments, I bring hands-on experience in Cloud Computing (AWS) along with proficiency in C++, C, and web development technologies including HTML, CSS, JavaScript, Bootstrap.

My technical foundation is further strengthened by knowledge of database management systems (MySQL) and cloud deployment tools such as AWS EC2, Route 53, Ngrok, and Cloudflare. I recently deployed Java-based and PHP-based projects on AWS cloud infrastructure with domain mapping and secure HTTPS tunneling. Through my BCA program at Amity University Patna, I am not only honing my technical skills but also growing into a well-rounded professional, ready to make meaningful contributions in the ever-evolving realm of computer science and cloud innovation.

## EDUCATION

- **Bachelor of Computer Application (BCA)**
  - Amity University, Patna | 64.6 % | 2025
- **12th (Intermediate)**
  - Hari Shankar Varma Cooperative Inter College, Ramgarhwa | 57.2% | 2022
- **10th (Matriculation)**
  - Shantiniketan Jubilee School | 61.6% | 2020

## TECHNICAL SKILLS

- Amazon AWS (IAM, EC2, Networking, VPC, S3, and Storage)
- Cybersecurity
- Network Simulation Tool: Cisco Packet Tracer
- Operating Systems: Windows, Linux
- Programming Languages: C++, C, Java
- Web Development: HTML, CSS, JavaScript, Bootstrap, PHP
- Database Management: MySQL
- Data Analysis: Excel
- Software Tools: Git/GitHub, VS Code, Android Studio, IntelliJ IDEA IDE

## EXPERIENCE

- **CodroidHub Pvt. Ltd. (June 2023 - July 2023)**
  - Internship in Blockchain with Cyber Security
  - Developed blockchain components and collaborated within cross-functional teams
- **Indian Institute of Technology Patna (Jan 2023 - April 2023)**
  - Campus Ambassador for Anwasha'23
  - Engaged and empowered students, spreading awareness about the event
- **North Bihar Power Distribution Company Limited (NBPDC) (June 2024 - July 2024)**
  - DBA Intern
  - Assisted in database management, performance optimization, and security implementation
- **Edunet Foundation (June 2024 - July 2024)**
  - Internship in Emerging Technology (AI & Cloud)
  - Developed AI and cloud-based solutions, conducted research, and contributed to project planning
- **IBM SkillsBuild Summer GTU Internship Program (June 2024 - July 2024)**
  - Artificial Intelligence Internship
  - Completed an intensive program focused on AI technologies and applications

## PROJECTS

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- **Secure OTP-Verified Signup & Login System** (*Completed* ✓)
  - ◆ [GitHub Link](#)
  - ◆ **Tech Stack:** PHP, MySQL, HTML, CSS, JavaScript
  - ◆ **Description:** Implemented a secure OTP-based user authentication system with password hashing and admin controls.
- **Restaurant Wheel – Team Leader** (*College Project, 1 Month*)
  - ◆ **Live Link:** [Restaurant Wheel](#)
  - ◆ **Tech Stack:** HTML, CSS, JavaScript, PHP, MySQL
  - ◆ **Description:** Developed a restaurant management system for reservations, orders, and menu management.
- **XAMPP & Ngrok-based Web Hosting** (*Completed* ✓)
  - ◆ **Tech Stack:** XAMPP, Ngrok, PHP, MySQL
  - ◆ **Description:** Created a local web hosting solution similar to AWS EC2 with secure tunnelling and real-time access.
- **SEO Writing Assistant – Team Leader** (*Hosted & Working* ✓)
  - ◆ [Live Link](#)
  - ◆ **Tech Stack:** HTML, CSS, JavaScript, PHP, MySQL
  - ◆ **Description:** Built an AI-powered SEO optimization tool with real-time content analysis and keyword suggestions.
- **Java Attendance Tracker – AWS Deployment & Hosting** (*Completed* ✓)
  - **Tech Stack:** Java, Jetty, AWS EC2, Route 53, Ngrok, Cloudflare
  - **Description:** Deployed a Java Jetty-based attendance app on AWS EC2 with custom domain mapping via Route 53. Enabled secure HTTPS access using Ngrok and Cloudflare tunnels; resolved full deployment and hosting issues.

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## CERTIFICATIONS

- Udemy (AWS Certified Solutions Architect Associate - SAA C03)
- AWS training and certification (Simple storage service)
- AWS training and certification (IAM)
- AWS training and certification (computer services)
- AWS training and certification (Technical Essential)
- IBM (Getting started with cyber security)
- IBM (Getting started with Enterprises - grade AI)