

# NILESH KULKARNI

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## Objective

I am highly motivated, a quick learner, and passionate about software development. I enjoy solving problems, learning new technologies, and applying my knowledge to build practical, real-world applications. I am confident that my technical skills, internship experience, and project work make me a strong candidate for an entry-level software development role.

## Professional Summary

MCA student and aspiring Software Engineer with hands-on experience in web development, Java desktop applications, and AI-based systems. Completed a web development internship at CSI, Bangalore. Strong foundation in Java, Python, Node.js, SQL, and full-stack development with a keen interest in building scalable, real-world applications. Passionate learner with practical project experience across Web, AI, and Java technologies.

## Technical Skills

- **Programming Languages:** Java, Python, C, C++
- **Web Technologies:** HTML5, CSS3, JavaScript, Node.js, Express.js
- **Database & Query Languages:** MySQL, MongoDB
- **AI / ML & Computer Vision:** Facial Emotion Detection, OpenCV, Machine Learning (Basics)
- **Tools & Platforms:** VS Code, Git, GitHub, NetBeans
- **Operating Systems:** Windows, Ubuntu

## Experience

### INTERNSHIP EXPERIENCE

Web Development Intern

**Computer Society of India (CSI), Bangalore**

*Duration: 1 Month*

- Designed and developed responsive web pages using HTML, CSS, and JavaScript.
- Worked on frontend UI improvements and layout optimization.
- Collaborated with team members on real-time web development tasks.
- Gained experience with professional coding practices and version control.

## Education

### Master of Computer Applications (MCA)

Acharya Institute of Management and Sciences-2025

CGPA: 7.1

### Bachelor of Computer Applications (BCA)

Purnia University – 2023

Marks: 74.33%

**12th – BSEB, Patna (2019) – 66.2%**

**10th – BSEB, Patna (2016) – 61.6%**

## Certifications

- Full Stack Web Development - Computer Society of India (CSI), Bangalore, 2025
- Python certificate - Infosys springboard
- Ethical Hacker - Cisco Networking Academy
- Introduction to Cybersecurity - Cisco Networking Academy
- MongoDB Certificate - MongoDB

## Project

### 1. Lab Slot Booking System

- Developed a full-stack web application for managing and booking laboratory slots.
  - Implemented Admin and Student roles with secure authentication.
  - Built using Node.js, Express.js, MySQL, HTML, CSS, JavaScript.
  - Features include slot creation, booking, cancellation, dashboards, and booking history.
  - Improved lab resource utilization through automated scheduling.
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### 2. EmotionSense – AI Powered Facial Emotion Detection & Analysis System

- Developed an AI-based system to detect and analyse human facial emotions in real time.
  - Used Python, OpenCV, and Machine Learning models for emotion classification.
  - Detects emotions such as Happy, Sad, Angry, Neutral, and Surprise.
  - Implemented face detection and emotion recognition using computer vision techniques.
  - Demonstrates practical understanding of AI, ML, and image processing concepts.
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### 3. Electricity Bill Payment System

- Developed a Java-based desktop application for managing electricity billing and payments.
- Designed separate Admin and Customer interfaces.
- Admin Module: customer management, bill generation, meter details, and payment history.
- Customer Module: view bills, pay bills, check payment status, and personal dashboard.
- Implemented secure role-based authentication.
- Built using Java, Java Swing (GUI), MySQL, JDBC.
- Designed MySQL database (ebs) with tables for login, customer, billing, and meter details.

## Languages

- English
- Hindi