

# Himanshu Mahajan

## Software Engineer

Pursuing MCA with strong skills in **Java, React.js, Node.js, and Spring Boot**, specializing in full-stack web application development. Hands-on experience in building projects with **REST APIs, secure authentication, database management, and Stripe payment integration**. Skilled in **Agile methodology, version control (Git), and SDLC**. Passionate about problem-solving, learning new technologies, and delivering scalable solutions in collaborative environments.

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## EDUCATION

### Master of Computer Applications (MCA)

Dr. D. Y. Patil School of Science and Technology

08/2024 - Present

Pune

### Bachelor of Computer Application

Institute of Management & Research ,Jalgaon

08/2021 - 05/2024

8.83 CGPA

### Higher Secondary Certificate

Macro Vision Academy, Raver

06/2019 - 04/2020

### Secondary School Certificate

Macro Vision Academy, Raver

06/2018 - 04/2019

## PROJECTS

### CourseEra(Online Course Selling Platform) (04/2025)

- Built a full-stack web application using React.js (frontend) and Node.js with Express (backend).
- Implemented user authentication (JWT) and role-based access control .
- Integrated Stripe payment gateway for secure online transactions.
- Designed responsive UI and optimized backend APIs with MongoDB for faster queries.

### Password Breach Detection System (Python, Tkinter, Bloom Filter) (10/2025)

- Built a security tool that checks if a password exists in leaked/breached password data using a **Bloom Filter** for fast and memory-efficient lookup.
- Implemented multiple hash functions and bit array logic to ensure quick detection with minimal false positives.
- Developed a simple and user-friendly **Tkinter GUI** for real-time password safety checking.
- Strengthened understanding of **data structures, hashing, and cybersecurity practices** for password protection.

## SKILLS

Javascript React js c# (.Net) HTML

jQuery CSS Node.js JAVA Python

MySQL MongoDB PostgreSQL

Github & Version Control

## CERTIFICATES

### Wadhwani IgniteX Training(2025)

Developed skills in ideation, prototyping, business modeling, and financial planning over 42 hours.

### Microsoft Cloud Security Masterclass(2025)

(8 hrs, verified by Ernst & Young Associates LLP)

### Implementing DS & ML Solution for AI with MS Fabric (2025)

4-hour session, Microsoft Advantage India program www.

### Certificate: AI and Life & Employability Skills – Infosys Foundation & Magic Bus India Foundation

Successfully completed an orientation program on **AI fundamentals and employability skills**, conducted by Magic Bus India Foundation and supported by Infosys Foundation.

## LANGUAGES

English

Full Professional Proficiency

Hindi

Native or Bilingual Proficiency

Marathi

Native or Bilingual Proficiency