Himanshu Kumar

Computer Science and Engineering
Bachelor of Technology
UIET MDU, Rohtak

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EDUCATION

•**Maharshi Dayanand University Rohtak**   *2022-25*
Bachelor of Technology in Computer Science and Engineering   percentage: 78

•**Ch. Matu Ram Arya Govt. polytechnic Sanghi**   *2019-22*
Haryana state board of technical education   Percentage: 84.4

•**Veer Public School, South West Delhi**   *2017-2019*
Central Board of Secondary Education   Percentage: 69.5

PROJECTS

•<u>**Hotel Rating Application**</u>   *Spring Boot, Microservices, API Gateway, Resilience4j*   ○ <u>Source Code</u>
  – Built a system to rate and fetch hotel data using an **API Gateway** to route requests to microservices.
  – Implemented **Resilience4j Circuit Breaker** for downtime detection and Rate Limiter to prevent **DoS attacks**.
  – Designed the gateway to route client requests to appropriate **microservices**, consolidating responses efficiently.

•<u>**Pathology Lab Application**</u>   *Spring Boot, IText, MySQL*   ○ <u>Source Code</u>
  – Developed a monolithic app for Doctor to **generating and printing PDF test reports** for patients.
  – Enabled test value updates, **dynamic pricing**, and test additions with data managed via MySQL
  – Streamlined the report **generation process with IText for PDF creation**, enhancing operational efficiency.

•<u>**Grocery site**</u>   *Spring Boot, JSP, Java, HTML, CSS*   ○ <u>Source Code</u>
  – Created an e-commerce platform with user and admin panels for managing groceries.
  – **User Panel**: Product browsing, **cart management**, **purchase tracking**, and blogging.
  – **Admin Panel**: Product/category management, order tracking, and **delivery status updates**

INTERNSHIP

•**WebDevloper.solution**   *Kanpur, Uttar-Pradesh*
Software Developer   1 Month
  – Developed a **RESTful API** using **Spring Boot** to process contact form submissions and send messages directly to the office email.
  – Integrated **JavaMail API/SMTP** for reliable and secure email delivery with error handling and retry mechanisms.
  – Tested and validated the API using **Postman**, ensuring seamless functionality and improving communication efficiency.

• **Congnifyz Technologies**
Virtual Internship   1 Month
  – Developed real-time applications, including:
  – A **Currency Converter** application to handle real-time exchange rates.
  – A **File Encryption and Decryption tool** using Java cryptographic libraries for secure file handling.
  – A **Password Strength Checker** to validate and enforce security policies for user passwords.
  – Focused on writing optimized, clean, and reusable code following **OOP principles**.

TECHNICAL SKILLS AND INTERESTS

Languages: Java,C/C++, HTML+CSS ,SQL
Libraries : Java Collection, Spring, Lombok
Web Dev Tools: VScode, Git, Github, Postman, STS, IntelliJ idea
Frameworks: spring MVC, Spring Boot, Microservice, Hibernate, Spring security, Thymeleaf, JSP
Cloud/Databases:MongoDb, Firebase, Relational Database(mySql), PostgreSQL, Redis
Relevent Coursework: Design and Analysis of Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering, System Design , Computer Networks, Distributed Systems.
Areas of Interest: Web Design and Development, Backend Development, API Design and Development.
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptablity, Team Collaboration, Critical Thinking

ACHIEVEMENTS AND RESPONSIBILITIES

•Achieved **5th position** in the **Smart India Hackathon (SIH)** at the college level.

•Solving 150+ questions on Leetcode.