

SOMNATH RANA

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OBJECTIVE

Ambitious **Java Developer** and **Full Stack Web Developer** with expertise in **Java**, **Python**, and modern **web technologies**. Proven ability to develop scalable, efficient applications, with a focus on enhancing user experience and system performance.

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY
Master of Computer Applications (MCA)
CGPA: 7.1

Phagwara ,PB
July2023 - July 2025

BRAINWARE UNIVERSITY
BACHELOR OF COMPUTER APPLICATION (BCA)
CGPA: 8.64

Barasat ,WB
Aug2020 -Jun 2023

RASAN NEHERU VIDYAPITH(H.S)
Engineering & Technology Vocational (12th)
Percentage: 87.00%

Egra, WB
July2018 – July-2020

EXPERIENCE

ReBid- (Internship)

Remote
Jan-2021-Sep-2022

Java Development Intern

- Developed scalable back-end services using **Java** and **Spring Boot**, reducing server response time by 20%.
Built and integrated **RESTful APIs** to enhance communication between front-end and back-end systems.
- Applied **OOP** principles to create modular, maintainable code.

PROJECTS

SMART HOME CONTROLLER

- Created a home automation system with **Java**, **Spring Boot**, and **MySQL** for remote device control.
- Technologies:** Java, Spring Boot, MySQL, Apache NetBeans.

E-COMMERCE WEBSITE

- Developed a full-stack e-commerce site using **React.js** for the front-end and **Spring Boot** for the backend.
- Technologies:** React.js, Spring Boot, MongoDB, HTML5, CSS3, JavaScript.

Real-Time IoT Monitoring System with Mobile Alerts

- Developed an IoT-based real-time health monitoring system using PyCharm.
- Integrated body temperature, heart rate, and blood pressure measurement devices.
- Implemented data acquisition, visualization, and mobile alert notifications.
- Utilized Python for backend development, ensuring real-time device synchronization and alert functionality.

Skills: IoT, Python, Real-Time Monitoring, Mobile Alerts, Device Integration

SKILLS

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|---|---------------------------------------|
| • Java ,C++, JavaScript, HTML, CSS | • SQL MongoDB, Oracle, SQLite |
| • Front-end frameworks (Angular, React) | • Data visualization , Data Analytics |
| • Spring Boot, Hibernate, React.js, Bootstrap, jQuery | • Data visualization, R Programming |

CERTIFICATES

- Java SE 8 Programmer- **Oracle Certified Associate (OCA)**- *ongoing*
- Java Full Stack Developer Specialization – **Coursera**
- Java Programming – Fundamentals – **Great Learning**
- Google Data Analytics Professional Certificate – **Google**

ADDITIONAL INFORMATION

- **Languages:** English, Hindi , Bengali , Odia

HOBBIES

- Written poem and Shayeri
 - Reading Mythological Books
 - Participate Coding Competition
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