SOUMYADIP DEBNATH

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OBJECTIVE

Computer Science graduate (2025) with a strong foundation in **DSA, OOP, and full-stack development** using **Java, Spring Boot, React.js, Node.js, and MongoDB**. Eager to grow as a **Software Engineer** while building scalable, cloud-ready applications.

EDUCATION

- **Bachelor of Technology – Computer Science & Engineering (IoT, Cybersecurity, Blockchain)**
  Future Institute of Technology, MAKAUT | CGPA: 8.74 | *2021 – 2025*
- Class XII (ISC): 82.16% | **Lions Calcutta (Greater) Vidya Mandir**   *2021*
- Class X (ICSE): 82.33% | **Lions Calcutta (Greater) Vidya Mandir**   *2019*

SKILLS

Java, C, Python, JavaScript, Spring Boot, React.js, Node.js, Express.js, MongoDB, MySQL, Cloud basics, Linux, Internet of Things.

CERTIFICATIONS

- Oracle Cloud Infrastructure Developer Professional   *2025*
- Oracle Cloud Infrastructure Generative AI Professional   *2025*
- IBM Introduction to Cloud   *2025*

EXPERIENCE

- **Java Full Stack Developer Intern** – *Ardent Computech Pvt. Ltd.* | Jan 2024 – Mar 2024
  Developed an OTT platform using Spring Boot with a catalog of 100+ customized movies, featuring efficient database management and scalable backend APIs.
- **Virtual Full Stack Development Intern** – *Oasis Infobyte* | Aug 2024

PROJECTS

Flight Route Optimization System   *Jan 2024 – Mar 2024*
- Built a hybrid model using Ant Colony Optimization, Genetic Algorithm, and Reinforcement Learning.
- Used Python, React.js, Docker REST APIs for algorithms and dashboard.
- Improved routing efficiency with real-time visualization.

Encrypted Chat Application   *Aug 2024 – Oct 2024*
- Developed a secure Web-based messaging system with AES, WebSocket, and GZIP.
- Implemented using Spring Boot, MongoDB, WebSocket.

Doctor Booking System   *Nov 2024 – Jan 2025*
- Created a booking platform handling 100+ daily appointments.
- Built with MERN stack, JWT auth, and admin portal.
- Optimized APIs, reducing booking time by 30%.

Personal Cloud Kitchen Platform   *Feb 2025 – Apr 2025*
- Built a cloud-based app for order/menu management and tracking.
- Used MERN stack with JWT auth and role-based access.
- Enhanced efficiency with live updates and admin CRUD.

ACHIEVEMENTS

Smart India Hackathon (2023 & 2024): Contributed to national-level problem-solving with real-world software solutions.
IEEE WIE Hackathon 2023: Developed an advanced agriculture tool prototype.