DEBANGSHU ROY

Software Developer

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SUMMARY

Computer Science graduate with strong foundations in **data structure and algorithm, object-oriented programming**. Experienced in **Java, Python, and C++**, with exposure to **C# and Azure**. Built and deployed **AI/ML models** and **full-stack applications** with measurable impact. Passionate about solving complex problems and contributing to scalable, customer-focused solutions.

TECHNICAL SKILLS

- **Languages:** Java | Python | C | C++ | C # | JavaScript | SQL
- **Frameworks & Libraries:** Spring Boot, Hibernate, Node.js, Pandas, NumPy, Scikit-learn, TensorFlow, XGBoost
- **Web Technologies:** HTML, CSS, Bootstrap, REST APIs
- **Databases:** MySQL, MongoDB, Oracle Database
- **Developer Tools:** Git, GitHub, VS Code, Postman
- **Core CS Concepts:** Strong foundation in Data Structures & Algorithms, OOP, DBMS, Computer Networks, Operating Systems

PROJECTS

An Advanced AI Model for Crop Yield Prediction: **Mar 2025 – May 2025**
- Developed and deployed ML models in Python (TensorFlow, Scikit-learn, XGBoost), achieving **94% accuracy** in crop yield prediction.
- Collaborated with a 4-member team using GitHub for version control and reduced the code conflicts.
- Developed a recommendation system for major soil types and crops to assist with 10,000+ data points; improved prediction reliability for agricultural planning.

Personal Portfolio Website: **May 2025 - Jul 2025**
- Crafted and deployed a responsive, interactive single-page portfolio using HTML, CSS, and JavaScript to effectively highlight professional profile.

EXPERIENCE (Training and Internship)

- **Full Stack Web Development, Euphoria genX**   **19 Feb -23 Feb**
  - Developed a student registration system with SQL backend, reducing manual entry time using HTML, CSS, JS and connect to the database created using SQL in Xampp.
- **ARTIFICIAL INTELLIGENCE, ARDENT COMPUTECH PVT. LTD**   **15 May – 19 May**
  - Achieved **85% accuracy** using Logistic Regression & Random Forest on Kaggle dataset;
- **AI-ML Internship, AICTE-EduSkills**   **Sep 2023- Nov 2023**

EDUCATION

Bachelor of Technology in Computer Science and Engineering	**Sep 2021 - May 2025**
JIS COLLEGE OF ENGINEERING, KALYANI	CGPA: 75.8%
Higher Secondary Education	**JUL 2021**
RAMGARH MOKSHADA SUNDARI HIGH SCHOOL	Percentage: 80.2%
Secondary Education	**MAY 2019**
RAMGARH MOKSHADA SUNDARI HIGH SCHOOL	Percentage: 77.7%

ADDITIONAL INFORMATION

- **Soft Skill:** Problem Solving, Adaptive Learning, Team Collaboration, Design Understanding, Leadership skills, Critical Thinking.
- Solved 300+ coding problems on LeetCode/Hacker Rank, strengthening DSA skills.
- **Languages:** English, Bengali, Hindi
- **Certifications & Awards:**
  - Project presentation at JISTech2K23
  - NCC-B Certificate - National Cadet Corps