Amritesh Kumar

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EDUCATION

Indian Institute of Engineering Science and Technology, Shibpur 2022 – 2026
B.Tech in Information Technology; CGPA: 8.73/10.00(upto 6th semester) Howrah, West Bengal, India

Delhi Public School Hyderabad 2021
Higher Secondary Education; CBSE Board score: 91.8% Hyderabad, Telangana, India

Genesis International School, Miyapur 2019
Secondary Education; CBSE Board score: 95.6% Hyderabad, Telangana, India

PROFESSIONAL EXPERIENCE

GAIL (India) Limited 05/2025 – 07/2025
Software Developer Intern (BIS Department) Ranchi, Jharkhand, India
- Designed and Developed a web application to **digitize imprest record management for GAIL Ranchi**, replacing the manual Excel-based process.
- Built the **backend** using **ASP.NET Core MVC 8**, **C#**, and **Entity Framework Core**, with **MySQL** as the database.
- Designed the **frontend** using **Razor Views**, **HTML**, **CSS**, **Bootstrap**, and **JavaScript** for a responsive and user-friendly interface.
- Implemented secure **user authentication** and **role-based access control** using **ASP.NET Identity**.
- Added features to **export imprest records to Excel and PDF formats** for easy tracking and analysis.

PROJECTS

NeuroGrade- AI Powered Teacher Assistant 🔗
- Collaborated with a team of four members to build an AI-powered teacher assistant that automates assignment grading and provides personalized feedback to students.
- Built with **Next.js, React.js, Node.js, Express.js, and MongoDB**, and integrated **Google Gemini API** and **Google Cloud Vision API**.
- Developed the frontend of the application using **React.js** and **Next.js**.
- Enabled seamless faculty dashboards, student management, and feedback history tracking with scalable APIs.

InertiaFit- Personalized AI Fitness Trainer 🔗
- Collaborated with a team of three members to develop a personalized fitness and diet tracking platform. Built with **Flask, React.js, Tailwind CSS, and MongoDB.**
- Trained and integrated a **KNN**-based ML model for personalized meal planning, improving nutritional alignment and user engagement.
- Designed a responsive frontend using **React.js** with secure user login and a personalized dashboard for goal setting and progress monitoring.

Skill Finder 🔗
- A web application connecting users based on shared skills, where user can search for other individual's sharing user's skills and collaborate with them.
- Created dynamic frontend components with **React.js** to enhance user experience and enable skill-based searches.
- Implemented backend services with **Node.js** and **Express.js**, and managed data storage with **MongoDB.**

SKILLS

- Programming Languages: C, C++, JavaScript, Python, C#
- Frontend Development: HTML, CSS, Bootstrap, React.js
- Backend & Frameworks: Node.js, Express.js, ASP.NET Core MVC, Entity Framework Core
- Databases: MYSQL, MongoDB
- Developer Tools: Visual Studio Code, Visual Studio, GitHub, Google Colab
- Machine Learning: Pandas, NumPy, Scikit-learn, Matplotlib

ACHIEVEMENTS

- Selected for the **Regional Bootcamp** phase of the **Google Solution Challenge 2025** with the NeuroGrade project.
- Solved **350+ problems** across **LeetCode**, **Codeforces**, **GeeksforGeeks** and **CodeChef** combined to build problem solving skills.
- Earned a **100-Day LeetCode badge** and multiple **Monthly badges** in **2025** for consistent problem-solving practice.
- **3 Star** at **CodeChef** with a **max rating** of **1692**.
- **5 Star** Coder in **HackerRank(C++).**
- Secured a rank of **1272** in **CodeFest'25** Prelims, conducted by the **IICPC**.
- **CodeChef contest**: Secured a **global rank** of **245** in CodeChef Starters 170.
- Participated in HackNITR 5.0 Hackathon, organized by NIT Rourkela, and contributed to a collaborative project, demonstrating development and problem-solving skills.

VOLUNTEERING

Entrepreneurship Development Cell, IIEST Shibpur 07/2023 – Present
Content Writer
Creating engaging and informative content to support and promote entrepreneurship initiatives, programs, and events of the Cell.

LitSoc - The Literary Society of IIEST Shibpur 07/2023 – Present
Core Member
As a core member of LitSoc, I curate poetry slams, open mic nights and manage club operations.