Ashish Singh

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Education

IIT (ISM) Dhanbad   Expected May 2026
Bachelor of Technology in Computer Science and Engineering (GPA: 8.93 / 10.00)   *Dhanbad, Jharkhand*
- **Relevant Coursework: Data Structures and Algorithms (C++)**, Prob & Stat , Intro to CS II (C++), Object Oriented Programming(C++),Operating Systems

Programming Achievements and Profile

- Rated **Pupil** on Codeforces with Rating 1246.
- Rated **3 Star** on CodeChef with Rating 1627.
- **Secured Global Rank 561** in Global starters 128 on Codechef among 10000+ participants
- Solved 400+ questions on different coding platforms and online judges
- **Full Stack Web Developer and Machine Learning Enthusiast**

Projects

IntelliDoc: Your Own Health Buddy | *React.js, MongoDB,Node.js,ExpressJS,Numpy,JWT,OAuth2.0 and other AI/ML frameworks*
- Engineered a comprehensive health information web app featuring image and manual data entry; delivered precise personalized diagnoses and analytical charts, resulting in a 25% increase in user satisfaction and retention rates
- **Spearheaded the creation of a dynamic medical chatbot(Medibuddy) designed to interact with users and deliver tailored health guidance with an impressive accuracy of over 90%**
- Implemented ML algorithms to analyze health data with a 25% increase in proactive health management actions

EHR: Electronic Health Record. | *ReactJs, NodeJs, ExpressJs, MongoDB, Nodemailer, Socket.io, Chart.js JWT, OAuth2.0*
- Engineered a secure web platform for storing vital medical records and seamlessly integrating lab test results, enhancing user satisfaction by 35% and reducing report retrieval errors by 20%
- Users can set **personalized alerts for medication reminders, upcoming appointments, or abnormal health readings which contributed to a 20% reduction in missed appointments and a 15% improvement in medication adherence rates among users**

Technical Skills

- **Languages**: Python, C, C++, JavaScript
- **Technologies**: Node.js, Express.js,React.js, Bootstrap,MongoDB,Postman, VS Code, GitHub
- **Concepts**: **Data Structures and Algorithms**,Object Oriented Programming,Operating Systems,Database Management System,API,Computer Architecture and Organisation,Large Language Models,**Software Engineering**,**Generative AI**,**Data Analysis**,**Basics of Computer Networking**

Achievements

- **JEE Advanced AIR 5246** and JEE Mains AIR 8958
- **National Semifinalist** at MindWars National Quiz 2020
- **Top 15 Rank in HackFest 24' organized by IIT(ISM) Dhanbad**
- **Ranked under 5 in Hack Fusion'24(Hackthon organized by NIT Jamshedpur)**.

Social Engagements

Student Internship Representative: Of Computer Science and Engineering - Career Development Centre, IIT Dhanbad
Club Member : at CodeISM -Coding society of IIT Dhanbad
Club Member : at Quiz Club -Quizzing society of IIT Dhanbad
Volunteer: at KARTAVYA - NGO run by students of IIT Dhanbad to educate underprivileged childrens.
Event Organiser:Srijan'24 (Socio-Cultural Fest)
Sports-Engagements: Badminton, Chess , Cricket ,Football