Aman Kumar Singh

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GitHub — LeetCode — CodeChef

SUMMARY

An aspiring software developer skilled in Java, AI-driven automation, and full-stack development. Pursuing a Master of Computer Applications with hands-on experience in building responsive and scalable solutions.

EDUCATION

Cochin University of Science and Technology   GPA: 8.5
Master of Computer Applications   *July 2024 – April 2026*

Lalit Narayan Mishra Institute, Patna   GPA: 7.49
Bachelor of Computer Applications   *July 2021 – May 2024*

EXPERIENCE

Software Developer Intern   Dec 2025 – May 2026
iDatalytics   *Info Park,Kochi*
− Developed and optimized RESTful APIs to handle real-time data processing and integration with external services.
− Built responsive full-stack applications using React and Node.js, ensuring scalability and maintainability.
− Created interactive dashboards to visualize data insights and enhance performance monitoring.

PROJECTS

AutoInbox AI – Agentic Email Automation | *Python, LLMs, LangGraph , Faiss , Gmail API*   - Link
− Developed an intelligent AI-powered Gmail automation system using **LangGraph** and **LLMs** for smart email classification, summarization, and response generation.
− Integrated Gmail API for fetching and processing emails securely while maintaining OAuth-based access control.
− Designed a modular pipeline for **agentic workflow automation**, enhancing email handling efficiency by 70%.

Automated Scholarship Examination Portal | *HTML, CSS, JavaScript, Node.js, MySQL*
− Developed an examination system with distinct **Admin** and **Student** roles operating under unified server architecture.
− Implemented a **Randomized Question Generator** using predefined templates and dynamic value substitution to generate unique, difficulty-controlled questions stored in the database for exam stability.
− Built an automated exam workflow with one-time attempt enforcement, auto-evaluation, result generation, and re-attempt prevention, ensuring reliability for real examination environments.

SKILLS

Programming Languages: C, Python, Core Java
Databases: MongoDB, MySQL
Development & Frameworks: HTML, CSS, JavaScript, Node.js, React, Scikit - Learn
Developer Tools: GitHub, VS Code, Jupyter Notebook, Docker, Kubernetes, Git version control
Coursework: Operating Systems, Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, DBMS , Cloud Computing , Machine Learning

EXTRA CURRICULAR ACTIVITIES

Placement Coordinator: Assisted in placement of multiple students and hiring activities
Technical Workshop (NIT Trichy): Participated in a 3-day hackathon and AI innovation event.
National Service Scheme (NSS): Volunteered in community outreach and awareness programs.
Bharat Scouts and Guides: Gained leadership and teamwork experience in national-level participation.

ACHIEVEMENTS AND INTERESTS

− Solved over **400 coding problems** on platforms like **LeetCode**, **HackerRank**, and **GeeksforGeeks**.

− **Runner-up** at the All India Meet held at NIT Trichy in treasure hunt and puzzle-solving competitions.

− Represented district as a **Volleyball Player** at inter-district tournaments.