



Manendra Singh

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Computer Science and Engineering
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GitHub Profile
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PROFESSIONAL SUMMARY

Computer Science undergraduate with a solid foundation in data structures, algorithms, and object-oriented programming. Demonstrated problem-solving abilities by solving over 350+ problems on LeetCode (Rating: 1700+) and more than 350 on GeeksforGeeks. Experienced in developing full-stack web applications utilizing JavaScript, Node.js, MongoDB, MySQL and Firebase. Proficient in C, C++, Java, and Python. Seeking a Software Development Engineer (SDE) internship to apply problem-solving expertise and full-stack development skills in a professional setting.

EDUCATION

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|---|---|-------------------|
| • Vellore Institute of Technology, Vellore, Tamil Nadu | <i>Bachelor of Technology in Computer Science and Engineering</i> | 2023-Present |
| | | CGPA: 8.55 |
| • Swami Keshwanand Shikshan Sansthan, Sikar, Rajasthan | | 2022 |
| | <i>Higher Secondary School (12th Standard)</i> | Percentage: 91.4 |
| • Swami Keshwanand Shikshan Sansthan, Sikar, Rajasthan | | 2020 |
| | <i>High School (10th Standard)</i> | Percentage: 88.33 |

PERSONAL PROJECTS

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| • SCSMS – Smart City Service Management System (Live Demo) | <i>GitHub</i> |
| A real-time smart city platform for streamlined service reporting and citizen-admin communication. | |
| – Tech Stack: Node.js, Express, MySQL (Aiven), Socket.IO, Leaflet.js, OpenStreetMap API, and JavaScript. | |
| – Built a real-time notification system using Socket.IO and integrated Geospatial APIs for precise GPS-based issue reporting. | |
| – Architected a secure relational database to manage role-based access for citizens and admins, optimizing request resolution. | |
| • Diabetic Retinopathy Detection(Live Demo) | <i>GitHub</i> |
| An AI-driven medical diagnostic tool that classifies retinal images into five stages of diabetic retinopathy. | |
| – Tech Stack: Python, TensorFlow, Keras, CNN, Streamlit, OpenCV, NumPy, and PIL. | |
| – Developed an automated image processing pipeline with OpenCV and trained a CNN model for high-accuracy medical classification. | |
| – Deployed an interactive web interface using Streamlit to provide users with real-time diagnostic results from image uploads. | |
| • Stack-IT (Live Demo) | <i>GitHub</i> |
| A community-driven discussion forum for developers to share technical knowledge through questions and answers. | |
| – Tech Stack: MongoDB, Mongoose, Express.js, Node.js, JavaScript, HTML5, and CSS3. | |
| – Engineered a full-stack CRUD application featuring complex many-to-many database relationships and secure user authentication. | |
| – Implemented a custom voting and ranking algorithm to prioritize high-quality solutions and improve content discoverability. | |

TECHNICAL SKILLS AND INTERESTS

Programming Languages: C, C++, Java, Python, JavaScript

Web Tech: HTML, CSS, React.js, Node.js, Express.js, Tailwind CSS

Developer Tools: Git, GitHub, Visual Studio Code

Cloud/Databases: MongoDB, AWS, Firebase, MySQL

Core CS Concepts: OOPS Concept , DBMS , Operating System , Data Structure and Algorithm

Soft Skills: Problem Solving, Time Management, Critical Thinking, Communication, Team Management, Adaptability

ACHIEVEMENTS & CERTIFICATIONS

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|--|---|
| • LeetCode Resolved 350+ problems Peak Rating: 1717 Global Rank < 3,50,000 | <i>Profile</i> |
| • GeeksforGeeks Resolved 350+ problems Global Rank: 30,000 Institute Rank < 500 | <i>Profile</i> |
| • Complete Machine Learning & Data Science – Skill Up | <i>GeeksforGeeks / Nation SkillUp</i> |
| • AI Agent Workshop using AgentForce | <i>GeeksforGeeks & Salesforce – July 2025</i> |
| • Google Cloud Agentic AI Day Participant | <i>Hack2Skill – July 2025</i> |
| • Adobe India Hackathon Participant | <i>Adobe – July 2025</i> |