Likhith B A

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LinkedIn | **GitHub** | **LeetCode** | **CodeChef** | **GeeksforGeeks**

Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2023 - 2027	B.Tech Computer Science Engineering	Vellore Institute of Technology, Chennai	9.49
2022 - 2023	CBSE (XII)	Jawahar Navodaya Vidyalaya, Tumakuru	94.2%
2020 - 2021	CBSE (X)	Jawahar Navodaya Vidyalaya, Tumakuru	94%

Technical Skills

- **Programming Languages:** C, C++, Java, Python, JavaScript
- **Web Technologies:** HTML, CSS, React.js, Next.js, Node.js, Express.js
- **Database & Storage:** MongoDB, SQL, Firebase, Cloudinary
- **Libraries & Frameworks:** Socket.IO, JWT, Scikit-learn, NLTK, Pandas, Matplotlib
- **Tools & Platforms:** Git & GitHub, Linux OS, Jupyter Notebook, MS Office Suite, CI/CD Basics, Docker
- **Areas of Interest:** Full-Stack Development, Machine Learning, Natural Language Processing
- **Languages Known:** English, Hindi, Kannada, Telugu, German (Basic)

Key Projects

- **ReadNext: Book Recommender System | GitHub Repository** *(ML, NLP)*
  Tech: Streamlit, scikit-learn, NLTK, Pandas, TF-IDF
  Built a content-based book recommendation engine that analyzes a dataset over 10,000 book summaries using NLP.
    – Implemented TF-IDF vectorization and cosine similarity to compute title, author, and keyword-based discovery.
    – Achieved 92%+ relevance in internal tests, enhancing personalized suggestions.
- **Real-Time Chat Application | GitHub Repository** *(MERN Stack, Realtime Systems)*
  Tech: Next.js, Node.js, MongoDB, Socket.IO, Firebase, Cloudinary
  Built a secure real-time chat app supporting one-on-one messaging and video/voice calls.
    – Integrated Socket.IO for instant messaging and Firebase for authentication and enabled voice and video calls.
    – Enabled media sharing and persistent chat history using MongoDB and Cloudinary.
- **EduSphere: E-Learning Platform | GitHub Repository** *(Full-Stack Web App)*
  Tech: ReactJS, NodeJS, MongoDB, Razorpay, JWT, Cloudinary
  Developed a MERN-based e-learning portal for seamless course management.
    – Implemented secure JWT authentication, payment integration with Razorpay.
    – Enabled instructors to upload content, users can enroll and track course progress.

Achievements & Certifications

- Selected among **top 500 out of 50,000+ applicants** to participate in the **J.P. Morgan Chase – Code for Good Hackathon 2025**, contributing to real-world social impact projects.
- Awarded the prestigious **Vahani Scholarship**, granted to only 50 students across India for full undergraduate studies (selection rate: 1.7%).
- Earned the **IBM DevOps and Fundamentals Certificate**, gaining hands-on experience with CI/CD, Docker, Jenkins, Agile, and cloud-native practices.
- Completed the **Microsoft Excel Certification**, conferred through the Vahani Scholarship Trust for outstanding performance.
- Elected as **School Prefect**, leading events and representing the student body with leadership.

Relevant Courses

Data Structures and Algorithms	Design and Analysis of Algorithms	Object-Oriented Programming
Operating Systems	Computer Networks	Database Management Systems
Artificial Intelligence	Web Development	Cloud Computing

Extra-Curricular Activities

- **Member, Bound by Books – Reading Club, Vahani Scholarship Trust** *2024 – Present*
  Participated in quarterly book discussions and peer-led reading sessions on selected titles.
- **Member, CYSCOM – Cybersecurity Student Community, VIT Chennai** *July 2024 – March 2025*
  Attended cybersecurity workshops, participated in CTFs, and helped organize technical events.
- **Cluster-Level Chess Player, CBSE Sports Meet** *2022 – 2023*
  Represented school at the regional chess championship.