

# Mohammad Esmile Dabir

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## SUMMARY

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Final year B.Tech student in Computer Science and Engineering (AIML) with a solid academic foundation and hands-on experience in programming, data structures, algorithms, and software development. Quick learner passionate about emerging technologies, innovative solutions, and applying AI/ML concepts to real-world problems. Experienced in full-stack development with proven ability to deliver scalable solutions through academic projects and internships. Adaptable, detail-oriented team player committed to continuous technical growth and creating impactful technological solutions.

## PROJECTS

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### Movie Recommendation System

[Link to Demo](#)

- Developed a movie recommendation system using vectorization techniques to analyze and compare movie descriptions.
- Implemented TF-IDF and cosine similarity to generate personalized recommendations based on user input.
- Built with Python, NumPy, Pandas, and Scikit-Learn, optimizing performance for accurate suggestions.
- Deployed the application on Streamlit with an interactive UI for user-friendly access.
- Designed the system to be scalable with support for larger datasets and future features like genre-based filtering.

### GhostRooms

[Link to Repository](#)

- Developing a social media platform for students focused on engagement and collaborative discussions.
- Built topic-based discussion rooms with admin-generated secure room IDs and anonymous messaging features.
- Designed backend to support real-time updates and scalable interactions using MERN stack principles.
- Planned future enhancements including automatic data removal on app close, improved UI/UX styling, personalized feeds, and AI-driven summarization of discussions.
- Aiming to create a safe, distraction-free platform for students to connect, share ideas, and collaborate beyond classrooms.

## WORK EXPERIENCE

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### Junior Software Developer Intern — NexaChain Core Pvt. Ltd.

May 2025 – June 2025

Worked on frontend development using React.js, contributing to MERN-based blockchain and Web3 modules. Built and optimized UI components, integrated frontend with backend APIs, and collaborated with teams to enhance decentralized applications. Strengthened skills in debugging, clean code practices, and gained exposure to Web3 technologies and decentralized platforms. Additionally, improved problem-solving skills by working on real-time project requirements and learned to adapt quickly to new tools and workflows in a startup environment.

## SKILLS

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**Programming Languages:** Java, JavaScript, Python, C/CPP, HTML, CSS

**Frontend:** React.js, Next.js, Tailwind CSS, Redux Toolkit, Material UI, Bootstrap, Framer Motion

**Backend:** Node.js, Express.js, RESTful APIs

**Databases:** MongoDB, MySQL

**Tools:** Git, GitHub, VS Code, Postman, NPM, Eclipse, Dev-C++

**Deployment:** Vercel, Netlify, Render

**Soft Skills:** Time Management, Problem Solving, Analytical Thinking, Leadership

## EDUCATION

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Oct 2022 – Present	<b>C.V. Raman Global University</b> , Bhubaneswar, Odisha B.Tech in Computer Science and Engineering (AIML), <i>CGPA: 9.1/10</i>
Jul 2019 – Jul 2021	<b>Freedom International School</b> , Cuttack, Odisha Secondary High School in Science, <i>96%</i>
Mar 2018 – May 2019	<b>St. Joseph's School</b> , Kendrapara, Odisha High School in Science, <i>86%</i>

## COURSEWORK

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Machine Learning, Data Structures and Algorithms, Object-Oriented Programming (OOPs), System Design, Computer Networks, Operating Systems, Database Management Systems (DBMS)