

Rupak Kumar

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I am a Software Engineer with expertise in Full-Stack Development, Machine Learning, and System Design. Experience in building AI-powered applications, scalable web platforms, and automation bots. Check out my [portfolio](#) for more of my work.

Projects

Manageo-Productum - A product management system

Since Feb 2025

Technologies Used: JavaScript, Node.js, MongoDB, Express.js, Bootstrap

- Developed a secure user authentication system using JWT to protect sensitive business data.
- Designed a dynamic and user-friendly dashboard that provides real-time insights into product stocks, sales, and orders.
- Implemented a RESTful API structure that allows seamless communication between the front end and back end.
- GitHub Link: <https://github.com/rupak1005/manageo-productum>
- Live Link: <https://manageo-productum.netlify.app/>

Snappy - A fully functional real-time chat application

Jan 2025 - Feb 2025

Technologies Used: React.js, Node.js, Socket.io, Firebase, Tailwind CSS

- Built a WebSocket-based messaging system using Socket.io to enable real-time conversations with minimal latency.
- Implemented Firebase authentication, allowing secure user registration and login using email/password and OAuth providers.
- Created private and group chat functionalities, enabling users to communicate in different settings.
- Enforced message encryption for data security and ensured seamless synchronization of chat history across devices.
- GitHub Link: <https://github.com/rupak1005/chat-app>

Deadly Bot (Telegram Bot)

Feb 2024 - Apr 2024

Technologies Used: Python, Telegram Bot API, Cloud Deployment

- Developed a bot that fetches and sends lecture schedules automatically to users based on their preferences.
- Integrated into a real-time reminder system that notifies students 10 minutes before each lecture, ensuring punctuality.
- Enabled users to set personal reminders and receive automated daily notifications for important tasks.
- GitHub Link: <https://github.com/rupak1005/deadlyBot>

Certifications

Generative AI with Large Language Models

Nov 2024

Prompt Engineering for ChatGPT

Feb 2024

Mastering Data Structures and Algorithms

Jan 2024

CompTIA Linux +

Jan 2024

International Math Olympiad (IMO), IX Inter School Math's Whizzies Contest 2016- 2nd Position

Feb 2016

Technical Skills

Languages C++, Java, Python, JavaScript

Technologies/Frameworks: MongoDB, Express, AngularJS, React.js, Node.js, Git, GitHub, Ubuntu, Machine Learning

Skills: Data Structures and Algorithms, Problem-Solving Responsive Web Design, Scripting in Python and JavaScript

Education

Lovely Professional University Punjab

2022 - Present

Computer Science and Engineering

Phagwara, Punjab

Kendriya Vidyalaya BHEL Haridwar

Mar 2021

12th with Science - Percentage: 82%

Haridwar, Uttarakhand

Kendriya Vidyalaya BHEL Haridwar

Mar 2019

12th with Science - Percentage: 82%

Haridwar, Uttarakhand