

Rishit Kapoor

Second-Year Undergraduate | B.Tech - IT | Cybersecurity Enthusiast

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Education

B.Tech | Information Technology

Manipal University Jaipur, India | Expected Graduation: 2027

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, Java, SQL
- **Software:** Cybersecurity, Jupiter Notebook, Arduino IDE, MATLAB, MySQL, Eclipse (Java)
- **Tools:** Kali Linux, Burp Suite, Nmap
- **Web Development:** HTML, CSS, JavaScript, Node.js, ReactJS
- **Databases:** MySQL, Oracle SQL
- **Others:** Git, GitHub, Docker, Linux Command Line

KEY PROJECTS

Medimate - AI-based Healthcare Application | Independent Project | [Dec 2024]

- Developed a healthcare website prioritizing medicine administration and patient observations using AI and voice-directed technology.
- Focused on building the app for efficient management of healthcare data.

Custom Linux Shell | Independent Project | [Nov 2024]

- Built a custom shell in C to interact with the operating system and execute commands like a terminal emulator, for my practice on Linux.
- Designed to replicate basic functionalities of the Unix shell using system calls.

Multi-Agent Collaboration with LangChain and OpenAI | Group Project (Oct'24)

 **Project Link:** [View Here](#)

- Developed a **multi-agent collaboration system** using **LangChain** and **OpenAI's GPT-4**.
- Designed **specialized agents** (Researcher, Coder, Chart Generator) for handling distinct tasks.
- Built a **supervisor agent** to dynamically manage conversation flow and task delegation.

- Integrated **code execution** and **search result retrieval** tools for seamless agent interaction.
- Optimized agent coordination for **efficient workflow management** and decision-making.

PROFESSIONAL EXPERIENCE

Research Assistant/ Student | Manipal University Jaipur [Sept 2024 - Present]

- Assisted in researching cybersecurity topics, including vulnerability analysis and threat detection.
- Contributed to an “Emotion modulation on student Behaviours” research paper in collaboration with senior researchers.

Club Work - Backend Developer | LearnIT [Jan 2025 - Present]

- Worked on developing backend features using HTML/CSS and Node.js.
- Collaborated in optimizing database queries for efficiency and performance.
- Organized ‘21 Days Coding Challenge’ where questions on DSA were made using different coding sites like Leetcode, HackerRank, Code Chief, etc...

Certifications

- AWS Cloud with AI - LinuxWorld Informatics Pvt Ltd
- Google Foundations of Cybersecurity - Google
- Hacks 8.0 Certification - MUJ ACM Student Chapter
- JavaScript and ReactJS Bootcamp - Google, Amazon, Devtown
- Backend Web Development Bootcamp - Google, Amazon, Devtown
- Oracle Database Programming with SQL - Oracle, Manipal University Jaipur

COURSE UNDERTAKEN

- **Technical** – CyberSecurity, Python Essentials, Advanced Learning Algorithms
- **Computer Skills** - Data Structure Algorithms, Relational Database Management System, Operating System*, Object-Oriented Programming System*
- **Mathematics** - Probability Theory & Random Variables*, Linear Algebra and Differential Equations, Calculus

(*to be completed by May 25)

EXTRACURRICULAR ACTIVITIES

- **Volunteer** - Participated in university hackathons and coding challenges, assisting with event organization.
- **Senior Coordinator** - LearnIT Club (Technical club), Manipal University Jaipur.

- **Code-Ye-Manipal** - Conducted multiple workshops on Web Development and Python Programming for junior students.

ACADEMIC RECORDS

- **Undergraduate Degree:** B.Tech in IT (Information Technology), Manipal University Jaipur.
- **Class 12:** Green View Public School, New Delhi | CBSE Board Exam - 2023
- **Class 10:** Prudence School, New Delhi, Dwarka Sector – 16 B | School Exam - 2021