



## Rishabh Jain

Bachelor of Technology  
Computer and Communication  
Manipal Institute of Technology, Udupi

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### EDUCATION

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- **Manipal Institute of Technology** 2021-2025  
*B.Tech Computer and Communication* CGPA: 8.87  
– Student Achiever Scholar ICT 2022-23
- **Army Public School, Ahmednagar** 2019-2021  
*Central Board of Secondary Education, Maharashtra* Percentage: 94.8
- **St. Joseph's Convent Senior Secondary, Pathankot** 2018-2019  
*Central Board of Secondary Education, Punjab* Percentage: 96.0

### EXPERIENCE

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- **Associate Software Developer, Oracle** January 2025 - Present  
– *Tools & Technologies: Docker, Kubernetes, Helm, OCI (Oracle Cloud), GitLab*  
– Containerized microservices with Docker & Kubernetes to enable scalable, cloud-native inter-pod communication  
– Built an MCP server enabling Cline to automate bastion tunnel generation and service log collection across multiple environments using natural-language prompts, reducing troubleshooting time by around 80%.
- **Mentee, Amazon Machine Learning Summer School** July 2024 - July 2024  
– Handpicked from 85,000 applicants for an exclusive 4-week program delving into diverse machine learning concepts and real-world applications, guided by esteemed Amazon scientists.
- **Summer Intern, Ernst & Young** May 2024 - July 2024  
– Devised a roadmap to enhance a retailer loyalty platform, lifting satisfaction by 40% and adoption by 20% across over 50,000 stores through core structural improvements.
- **Runner-Up, Haxplore - IIT BHU Codefest** April 2024 - April 2024  
– *Live Project Link: [NamasteAyodhya](#)*  
– Secured second place in a 72-hour online hackathon hosted by IIT BHU, with 411 teams and 721 individual registrants, by implementing Generative AI features like ChatBhakt—an AI-driven chatbot for a temple-ticketing website—and enhancing website security protocols.

### PERSONAL PROJECTS

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- **Auto-Mailer** [Live Project Link](#)  
*Tools & technologies used: Python, HTML, Flask, Jinja2*  
– Built a Python-Flask app for automated email outreach using Excel-based personalization, streamlining workflows and enhancing efficiency for 70+ users by reducing manual effort.
- **DDoS Attack Analyzer and Predictor** [Project Link](#)  
*Tools & technologies used: Python, Matplotlib, Scikit-learn*  
– Engineered a real-time ML classifier for 1 M+ network packets, detecting benign vs. DDoS traffic with a high accuracy and co-developed a firewall to detect the same in real-time.
- **Blogify** [Project Link](#)  
*Tools & technologies used: Flask, Jinja2, HTML, CSS, Python, Bootstrap, MySQL, SQLAlchemy*  
– Developed an anonymous blogging app with interactive features like commenting and liking posts, integrating Flask-Mail for subscriber emails and OTP verification, which boosted user experience.

### TECHNICAL SKILLS AND INTERESTS

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**Languages:** Python, C++, SQL, HTML, CSS

**Developer Tools & Frameworks:** VSCode, Postman, GitHub, Bootstrap, Flask, OCI, Docker, FastAPI

**Libraries and Databases:** NumPy, Pandas, Matplotlib, SKLearn, NLTK, SQLAlchemy, Oracle, MySQL, OpenAI

**Areas of Interest:** Machine Learning, Backend Development, Data Science, Cloud Engineering, Generative AI

### POSITIONS OF RESPONSIBILITY AND ACHIEVEMENTS

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- **President, Manipal Information Security Team** October 2023 - Present  
– Led a team of more than 50 sophomores and 90 freshmen with fervor, dedicated to promoting cyber awareness and arranging promotional events such as CTFs and OSINT-based games to support the cause.
- **Managing Committee, The Data Alchemists** January 2023 - November 2023  
– Engaged in a data science club at MIT, collaborating with enthusiasts from diverse backgrounds to explore various domains within data science and create innovative projects.
- **Leetcode** [Profile Link](#)  
– Solved 800+ LeetCode problems with a 1700+ contest rating and top 50k global rank.