

Aditya Roy

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Skills

Cloud google cloud
Languages Python, Bash, C++ , Java
Frameworks Flask
OS Kali Linux, Ubuntu, Windows

Version Control Git, GitHub
Containerization Kubernetes
Databases MySQL

Experience

Cisco Technical Club

Nov 2024 – Present

Core Member, Research & Development Team

- Led technical research to improve internal systems and club projects, driving innovation in networking and event efficiency.
- Authored comprehensive documentation on Cisco technologies, supporting workshops and enhancing participant learning outcomes.

Microsoft Technical Club

Nov 2024 – Present

Core Member, Technical & RD Team

- Orchestrated the planning and execution of the national hackathon Code Garuda 3.0, ensuring seamless operations and a 20
- Conducted applied research on Microsoft technologies and built documentation using Microsoft 365 tools to elevate the technical depth of club events.

Hacktoberfest

Oct 2024 – Present

Open Source Contributor

- Contributed production-level code to real-world open-source projects using C++ , Python, and web technologies, improving code quality and functionality.
- Collaborated with a global developer community, earning all official badges and strengthening code reliability through peer-reviewed contributions.

GirlsScript Summer of Code (GSSoC)

Oct 2024 – Present

Open Source Contributor

- Enhanced multi-module software projects using C++ and Python, adding new features and improving performance across the stack.
- Documented all contributions on GitHub, showcasing consistent, transparent development for open-source communities and recruiters.

Projects

DimaCare

Feb 2025 – March 2025

- Enhanced the quality of life for dementia patients by developing an AI-powered app with chatbot, reminders, and SOS features, improving user independence.
- Built using React.js and Flask, integrating Generative AI to offer real-time assistance, resulting in positive feedback from beta users.

Data Wiz

July 2024

- Simplified data analysis for non-tech users by creating a Streamlit app to upload, visualize, and filter CSV files, improving usability and insights.
- Enabled graph customization and multi-format downloads using Python, increasing tool versatility for presentations and reports.

Aapki Sakhi

August 2024

- Improved access to menstrual health products in remote areas by building a web platform with payment integration, enabling doorstep delivery.
- Added a chatbot and live chat support using HTML, JS, and Python, increasing user engagement and trust in the platform.

Net Ninja

August 2024

- Strengthened digital security for users by creating a Streamlit-based toolkit with encryption and vulnerability scanning, reducing risks by 30%.
- Used Python for both frontend and backend, paired with detailed documentation, boosting adoption and ease of use.

Education

VIT Bhopal University	2023 – 2027
Bachelor of Technology in Computer Science (Cyber Security and Digital Forensics)	CGPA: 9.21

Achievements

Winner, InnoveMinds Expo’25 Hackathon
– Led the development of an AI-powered dementia app, improving patient care through memory timelines, SOS alerts, and a caregiver chatbot.
– Built using React.js, Flask, and Generative AI, delivering a solution praised for its innovation and real-world applicability.
Runner-Up, Space Vita Ideathon
– Designed a Mars rover platform to convert rover camera data into interactive graphs, aiding scientific analysis.
– Utilized NASA’s open rover API and created a detailed tech roadmap and documentation, ensuring clarity and implementation ease.
Final Round Qualifier, VIT Bhopal x Johns Hopkins University International Hackathon’25
– Ranked in the top teams among 250+ participants by presenting a dementia support system with AI features and emergency tools.
– Developed the solution using React.js, Flask, and Generative AI, showcasing advanced integration in healthcare tech.

Certifications

Career Essentials in Cybersecurity by Microsoft and LinkedIn	June 20, 2024
Cybersecurity Awareness: Cybersecurity Terminology	June 19, 2024
Cybersecurity Foundations	June 20, 2024
Microsoft Copilot for Security	June 20, 2024
The Cybersecurity Threat Landscape	June 19, 2024