

Aditya Kumar

📞 90643 54247 ✉ adityakr082@gmail.com [in adityakr082](https://www.linkedin.com/in/adityakr082) [🌐 adityakumar.xyz](https://adityakumar.xyz) [🐙 akr2002](https://github.com/akr2002)

Education

Chandigarh University

Master of Engineering in Artificial Intelligence

Expected June 2026

Gharuan, Punjab

Chandigarh University

Bachelor of Engineering in Computer Science and Engineering (CGPA: 7.88 / 10.00)

2024

Gharuan, Punjab

Experience

Arch Linux

2024

Tester

- Test and sign-off packages in testing repositories before they are released to core repository.

Projects

Code Server | *OpenRC, Bash*

Create remote development solutions so a team can develop from anywhere

- Brought official support to aarch64 architecture, mainly on Android platform.
- Updated documentation to deploy on Android devices.
- Brought official support to OpenRC systems.

Smart Documents | *RAG, NLP*

Create a document query microservice powered by natural language processing.

- Used retrieval augmented generation to load and store documents.
- Leveraged local large language models to query on docs.
- Used Docker to streamline deployment.

Personal Cloud using Raspberry Pi | *Bash, System Administration, Deployment*

Raspberry Pi facilities over the internet.

- Deployed a website.
- Hosted a file server over HTTP and SFTP.
- Provided SSH services.
- Provided git services.
- Hosted a chat server.

Pleroma | *Server Administration, Database Administration*

A federated social network over ActivityPub protocol.

- Deployed the service on a VPS.
- Administered social network.
- Collaborated with administrators on other servers to help create a safe space for everyone.
- Administered database to ensure optimal performance of the server and ensure a smooth experience for everyone.

Certifications

AWS Cloud Solutions Architect

Credential ID T8CSES3U6LLE

Linux and Private Cloud Administration on IBM Power Systems

Credential ID L7MF8F7V59N6

Technical Skills

Languages: C, C++, Bash, Python, Java, R, Rust, Nix

Technical Skills: Linux, Git, Nix, PostgreSQL, System Administration, Cloud Deployment, Docker

Concepts: Compiler, Operating System, Cryptography, Artificial Intelligence, Machine Learning, Neural Networks, Natural Language Processing, API, Database Normalization, Cloud Computing