Rishi Agarwal

✉ rishiagarwal744@gmail.com 📞 8276842483 in rishi-agarwal7 ○ therishiagarwal

PROFILE

Dynamic and adaptable 3rd-year B.Tech. student in Computer Science Engineering (CSE), specializing in Cloud Computing, with strong skills in data structures and algorithms (DSA). My journey into engineering began in 9th grade when I discovered my love for coding through Java. Adept at forging strong connections within teams, I easily find my comfort zone with new colleagues.

EDUCATION

Bennett University (The Times of India Group) 🔗   Sep 2022 – present
B. Tech in Computer Science Engineering with specialization in Cloud Computing   Greater Noida, UP, India

EXPERIENCE

Summer Intern, MangosOrange Group   Jun 2024 – Aug 2024
                                                                       Noida, India
- Assisted in developing the backend for a university LMS and attendance system using facial recognition and QR codes, reducing proxy attendance.
- Integrated Python-based services with Google Workspace to streamline attendance tracking and learning management.
- Delivered IT solutions to optimize system performance and enhance user experience.

PROJECTS

Self-Hosted Private Cloud Server
- Linux, Docker, Portmaster, DDNS, Nextcloud, Vaultwarden
- Built a home server having private NAS, media server, photo-prism with a **spare laptop**
- Deployed self-hosted services like **Nextcloud** for file sharing and **Vaultwarden** for password management.
- Secured internet access using **Portmaster** firewall and Dynamic DNS (DDNS) for remote access.
- Gained hands-on experience with **Linux**, **Docker**, **containerization**, **load balancing**, and **networking**.

Trendmia: Collaborative Project Sharing Platform (Team Project) 🔗
~Django, Supabase, HTML, CSS, JavaScript
- Developed using **Django** framework with **Supabase** for authentication and database.
- Wrote the complete code for both the frontend and backend, ensuring seamless integration.
- Enables users to **sign-up, log-in, create post** and **initiate chat** with other users for collaboration.
- Features a **trending section to display trending projects** and an **AI tool to assess project uniqueness.**
- Users can initiate chats for collaboration and mark projects as ongoing or completed.
- Led the development team and coordinated with team members for AI/ML integration.

"Undupify" File Deduplication Application
-C++ & Qt
- Developed using **C++ & Qt** framework
- Efficiently **identifies duplicate files** and lists all files with **similarity > 19.9%** in the specified folder/location.
- Utilizes advanced **MD5 Hashing algorithm** for accurate duplicate detection.

SKILLS

- **Languages:** Java, Python, C++, MATLAB
- **Cloud Computing:** AWS Cloud, Google Cloud (GCP)
- **Tools:** Linux, Git & GitHub, Docker, Kubernetes
- **Framework:** Django, Flutter
- **Miscellaneous:** Figma, MySQL, Supabase, Machine Learning

CERTIFICATION

- Global AWS Certified Cloud Practitioner 🔗

ACHIEVEMENTS AND COMMUNITY WORK

- Made it to **#28** in **SmartBU Hackathon** out of 400+ teams (finalizing for SIH'24) - September 2024   Sep 2024
- Organizer, GCCP and Google Cloud Study Jams: Led the organization of events at the university, engaging 150+ students.