

Kunal Roy Choudhury

| kunt.rc7@gmail.com | <https://www.linkedin.com/in/kunal-roy-choudhury-7407211a7/> | kunalrc.tech

EDUCATION

SRM Institute of Science and Technology

Bachelor of Technology in Computer Science and Engineering; CGPA : 9.24

Kattankulathur, Tamil Nadu

Aug. 2020 – May 2024

EXPERIENCE

Software Engineer Intern

Jan 2024 – July 2024

AiDash

Bengaluru, Karnataka

- Transitioned a **SaaS** application to a **microservices architecture**, improving scalability and maintainability.
- Developed a robust Java microservices framework leveraging, **Hexagonal Architecture** streamlining service creation and reducing development time significantly
- Helped develop a dynamic **SQL filter query** framework that incorporates URL parameters into base queries, enhancing efficiency, optimizing the codebase, and improving query execution time

Project Intern

Nov 2022 – April 2023

Power Grid Corporation of India

Guwahati, Assam

- Employed **PHP Server** and **MySQL Database** and made changes to the Power Grid employee intranet portal.
- Established a robust website database structure, ensuring data integrity and seamless functionality while managing the dashboard, settings page, and user notifications backend to enhance user experience and engagement
- Contributed to the integration of the website with the mobile application, facilitating cross-platform functionality and providing users with seamless access to fitness and health monitoring tools on multiple devices.

Software Engineer Intern

Nov 2022 – April 2023

Gagner Global

Remote

- Worked on the development of a web-based CRM application using **ReactJS** and **Node.js**.
- Implemented new features and enhancements to improve the user experience and performance of the application.
- Collaborated with the development team to design and implement RESTful APIs for backend services.

PROJECTS

SyntaxNest | *Node.js, React, JavaScript, Docker, Express.js, Render*

July 2023

- Developed an **early-stage API** for executing code in multiple programming languages directly from web applications.
- Allows execution of scripts and fetching output results via **POST** requests, supporting languages like Java, Python, C++, and more.
- Designed with robust error handling to prevent Cross-Origin errors, enabling seamless integration into front-end environments.

File-System Organiser | *HTML, JavaScript, NodeJS*

January 2023

- Developed a command-line tool for organizing files using **Node.js**, a popular JavaScript runtime environment
- Designed the file organiser to be efficient and customizable, with options for sorting files by name, extension, date, and other criteria
- Utilized the **Node.js** File System (fs) module to access and manipulate files and directories on the local file system

GitHub Bot | *Python*

September 2022

- Developed a Python-based bot for automating commits to GitHub repositories on a regular schedule
- Utilized the GitHub API to access and update repositories, and the **GitPython** library to manage local Git repositories
- Designed the bot to be flexible and customizable, with options for specifying the frequency and content of commits

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS/SCSS, PostgreSQL

Frameworks: React, Node.js, Material-UI, MongoDB, ExpressJS, Spring Boot

Developer Tools: Git, Postman, Firebase Jenkins, Kubernetes, Maven, Jira, Bitbucket

Certification : AWS Academy Cloud Operations, Private Cloud Management on IBM Power Systems