

Kunal Roy Choudhury

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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 Development Engineer - Intern

AiDash

January 2024 – July 2024

Bangalore, Karnataka

- Contributed to the development of AiDash's groundbreaking platform, fusing satellite imagery and AI to transform operations, maintenance, and sustainability across industries with geographically distributed assets.
- Worked collaboratively with cross-functional teams to leverage the potential of diverse data sources, specialized AI models tailored to specific cases, and cognitive applications to enhance performance.

Project Intern

Power Grid Corporation of India

June 2022 – July 2023

Guwahati, Assam

- Revamped and enhanced the organization's intranet portal using **Spring** and **PHP**, implementing critical features such as user authentication, data retrieval, and dynamic content rendering.
- Optimized database queries and improved overall system performance; collaborated with cross-functional teams to ensure seamless integration and smooth user experience.

Software Engineer Intern

Gagner Global

November 2022 – April 2023

Remote

- Actively contributed to the creation of a web-based consultancy CRM application for their team with ReactJS, Node.js and ZohoCRM, driving a remarkable 47% surge in user engagement
- Implemented innovative cutting-edge features and enhancements to elevate user experience, resulting in an impressive 89% boost in application performance,streamlined workflows, and improved overall responsiveness.

PROJECTS

Ecommerce app [[Link](#)] | *HTML, Javascript, ReactJS, NodeJS, MongoDB, Git*

July 2023 – October 2023

- Crafted a web-based platform specialized in textile procurement, employing a resilient full-stack technology stack integrating HTML, JavaScript, ReactJS, NodeJS, and MongoDB, ensuring scalability and 95% query efficiency.
- Developed and fine-tuned the backend server infrastructure utilizing NodeJS, ExpressJS, and MongoDB, with a focus on seamless authentication and authorization integration using JSON Web Tokens (JWTs).

File-System Organiser[[Link](#)] | *HTML, JavaScript, NodeJS*

December 2022 – June 2023

- Designed and implemented a customizable and efficient file organiser tool using Node.js, featuring a customizable sorting options by name, extension, date, and type for files and directories.
- Utilized the Node.js File System (fs) module to access and manipulate files and directories on the local file system which automated file organization for improved efficiency and cleanliness.

Github autocommit Bot [[Link](#)] | *Python*

September 2022 – November 2022

- Utilized the GitHub API to access and update repositories, and the GitPython library to manage local Git repositories enabling scheduled commits with customizable frequency to maintain repository activity.
- Designed a highly adaptable GitHub autocommit bot with customizable options for commit frequency and content and seamlessly managed local Git repositories to ensure consistent updates and robust version control.

TECHNICAL SKILLS

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

Frameworks: React, Node.js, Flask, WordPress, Material-UI,MongoDB,ExpressJS

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse,Postman API,Firebase

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