Rik Ganguli Biswas

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• https://github.com/RikGanguli/Projects

SUMMARY

Software Engineer/Developer graduated recently from Illinois Institute of Technology, Chicago proficient in modern programming languages, data structures and algorithms keen to launch a career as a Software Developer.

SKILLS

LANGUAGES: Java, Python, C, R, JavaScript, SQL, HTML
FRAMEWORKS: React, Node.js, AWS, GCP, Android Studio, MySQL, PostgreSQL, MongoDB, R Studio, Git
SOFT SKILLS: Teamwork, interpersonal skills, leadership, problem-solving
COURSES AND CERTIFICATIONS: Certifications

EXPERIENCE

Software Engineer (Internship) (React, Node.JS, MySQL, docker, APIs, HTML, CSS, JavaScript, TypeScript)   **July 2024 - Present**
Dreamline AI   Remote
- Develop and maintain a responsive user dashboard using React JS, implementing backend services with Node JS.
- Manage and optimize the MySQL database, including schema design, query optimization, and integration with third-party APIs.
- Collaborate with cross-functional teams to define project scopes, conduct code reviews, and resolve performance issues and bugs.

Software Engineer (Internship) (Java, C, React, JavaScript, Laravel, phpMyAdmin, SQL)   **June 2021 - August 2021**
Anmol Feeds Private Limited   Kolkata, India
- Developed and enhanced the company's logistics software using Java and C, improving processing efficiency by 20%.
- Utilized SQL and phpMyAdmin to modify and optimize database queries, reducing query time by 30% and increasing overall system performance.
- Designed and implemented a Control Tower for the company's webpage using React, resulting in a 25% increase in user engagement and streamlined monitoring of logistics operations.

NOTABLE PROJECTS

SmartHome Marketplace: Web Application for Smart Home Appliances (React, Node.JS, JavaScript, MySQL, MongoDB)
- Developed a web application where customers can log in and purchase smart home appliances.
- Products and customer data can be added, updated, and deleted by the store and sales managers respectively.
- Used React to develop the front-end, and Node.JS along with MySQL to develop the backend to store user data, purchase history, and product information. Used MongoDB to store user reviews.
- Features - Search autocomplete, inventory and sales report charts, read and write reviews, display trending items.

Online Retail Simulation and Analytics (Big Data, MySQL, AWS, Matplotlib/Plotly, Python)
- Crafted a lifelike simulation of an e-commerce platform's online shopping experience.
- The simulation mimics user interactions, efficiently stores data in both structured and unstructured formats, and analyzes behaviors for valuable insights. Real-time processing, user segmentation, product analysis, and optional machine learning predictions have been implemented.
- Technologies used - Apache Spark, Apache PySpark Streaming, Kafka, Hive, Hadoop, Zookeeper.

Online Library Management System (Servlet, JAVA, PostgreSQL, Maven)
   Functionalities - Users can search for, borrow, and return documents. Librarians can add, delete, and modify documents as well as the number of copies. Documents include books, journal articles, magazines, research papers, theses, and technical reports. Searches are saved enabling users to execute them later.

EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, IL   2022 - 2024
Master of Computer Science (GPA 3.7)

INSTITUTE OF ENGINEERING AND MANAGEMENT, KOLKATA   2018 - 2022
Bachelor of Technology in Electronics and Communication Engineering (CGPA 8.65)