

GOKUL SAJEEVAN

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Profile

MSc Computer Science student at UCD, passionate about technology and software development. Proficient in programming languages such as Java and Python, with hands-on experience in cloud technologies (AWS, Kubernetes, Docker) and distributed systems. Skilled in Agile methodologies and middleware technologies like RabbitMQ. A strong problem-solver with a deep interest in AI/ML applications and scalable solutions. Proven ability to analyse complex information and adapt in a dynamic technology environment

Education

University College Dublin

Sept 2025 – Present

MSc in Computer Science (NL)

- Coursework: Distributed Systems, Cloud Computing, Java, Big Data, Machine Learning with Python.
- Current Semester: Advanced Data Structures in Java, Generative AI, Advanced SQL, Advanced Machine Learning.

Sri Ramakrishna Institute of Technology

Aug 2020 – Aug 2024

B.E in Computer Science and Engineering | CGPA: 7.69

- Developed an AI-powered system to schedule and send personalized surveys, leveraging GPT for engagement and machine learning for insights.

Skills

- Programming Languages: Python, Java, JavaScript
- Databases: MySQL, AWS Redshift, MongoDB
- Cloud and DevOps: AWS S3, Docker, Kubernetes
- Machine Learning & Data Science: Supervised & Unsupervised Learning, Data Cleaning, Solving Input Bias, Feature Engineering, Model Evaluation
- Others: Git, Dash, RabbitMQ, Linux, Bash

Projects

Automated Survey Scheduler | Python, Stream lit, Gmail API, OpenAI, SQLite

- Developed a system to automatically schedule and send surveys based on user availability and preferences.
- Incorporated machine learning algorithms and GPT for personalized and engaging survey messages.
- Enhanced engagement rates and provided comprehensive survey result insights.

Warehouse Management System | AWS S3, Redshift, Python Dash

- Designed a warehouse data pipeline leveraging AWS S3 and Redshift for efficient data storage and retrieval.
- Developed interactive dashboards using Python Dash for real-time analytics

EPL Insights Project | Spring Boot, MongoDB, Docker & Kubernetes, Feign Client, Lombok

- Built a Player Statistics Service for analyzing football player data using Spring Boot (REST APIs) and MongoDB.
- Designed and implemented RESTful endpoints for efficient player data management and analysis.
- Set up Docker containerization and Kubernetes for streamlined deployment and scalability.
- Collaborated with a team to produce comprehensive project documentation and reports.

Work experience

Solar Secure Solution

Aug 2022 – Oct 2022

- Developed responsive and dynamic user interfaces using HTML5, CSS3, and modern JavaScript, enhancing user experience and interactivity.
- Leveraged React component-based architecture to streamline development, reduce code complexity, and improve application performance.
- Optimized frontend efficiency by implementing reusable UI components, improving maintainability and scalability.

Achievements and Leadership Qualities

ISTEINDIA, Galgotias University

Noida

Awarded "The Best Acceleration and Innovation" at the 6th India Karting Event for developing a real-time go-kart distance display system, enhancing race performance tracking and driver analytics. Engineered the system using Python, Arduino, and ultrasonic sensors to detect karts ahead, enabling adaptive speed adjustments for improved safety and efficiency.

Volunteered in organizing District level hackathon

Coimbatore

Spearheaded the organization of a district-level hackathon at Sri Ramakrishna Institute of Technology for 750+ participants, overseeing end-to-end logistics, budgeting, and team coordination. Ensured seamless execution by managing participant engagement, certification distribution, and financial operations, delivering a high-impact tech event.