

SAI SUGUN

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My Portfolio

Summary

Graduate in Information Systems with hands-on experience in full-stack web development and data analytics. Skilled in Python, JavaScript, SQL, Flask, React, and Power BI, with projects spanning blockchain health systems, predictive modeling, and interactive dashboards. Eager to apply technical expertise, problem-solving, and creativity to deliver impactful, data-driven solutions.

Tech Skills

Programming & Frameworks: Python, JavaScript, Java, SQL, C++, Flask, Django, React, Angular, Node.js, HTML, CSS

Data Analytics & Tools: Power BI, Pandas, NumPy, Matplotlib, Jupyter Notebook, Predictive Modeling, Data Cleaning, Data Visualization, Machine Learning

DevOps & Deployment: Git, GitHub, Docker, CI/CD, APIs, Cloud Platforms (Azure, AWS basics)

Soft Skills: Public Speaking, Team Leadership, Collaboration, Problem-Solving, Storytelling

Projects

Blockchain Health Records (Python, SHA-2, Blockchain)

- Developed a blockchain-based prototype for secure health record storage.
- Implemented hashing with Python (SHA-2), ensuring 100% tamper-proof record retrieval.
- Published findings in IJARST (peer-reviewed, 2023).

Insurance Management Website (Flask, Angular, Docker, Git)

- Built a microservice-style insurance portal for policy tracking and claims management.
- Developed REST APIs and Angular front-end, tested with ~200 dummy users.
- Containerized deployment with Docker, reducing environment setup time by 60%.

Voice Interface Usability Study (Amazon Alexa, SUS, NASA-TLX)

- Conducted study with 100 participants on usability vs workload in voice systems.
- Delivered actionable UX improvements, raising usability scores by 20%.

British Airways Data Analysis (Python, Power BI)

- Scraped & analyzed customer review datasets to uncover buying behavior patterns.
- Built predictive models with Python, improving insight accuracy by 15%.
- Visualized findings in Power BI for stakeholder presentations.

PwC Switzerland Data Visualization (Power BI)

- Designed client-ready dashboards to monitor KPIs and business operations.
- Reduced reporting turnaround by 30% through automated visualizations.
- Delivered concise recommendations in simulated client communication

Experience

Data Science Intern – Oasis Infobyte (2024)

- Performed exploratory data analysis and machine learning on structured datasets.
- Created visual insights to support decision-making in Python.

Virtual Intern – British Airways (Forage, 2025)

- Delivered predictive modeling and customer insights through data analysis.
- Developed Python-based analytics to support business-critical decisions.

Virtual Intern – PwC Switzerland (Forage, 2025)

- Built and optimized Power BI dashboards for KPI visualization.
- Translated client needs into user-friendly reports and visual storytelling.

Education

MSc Information Systems – University College Dublin, Ireland (2025)

GPA: 3.51 / 4.2 | Modules: Machine Learning, UI/UX, Quantitative Data Analysis, Data & Society

B.Eng. Computer Science – Visvesvaraya Technological University, India (2023)

CGPA: 7.7 / 10 | Modules: Operating Systems, Databases, Computer Networks, DSA

Certification & Publication

- Python for Data Science & Machine Learning Bootcamp – Jose Portilla
- Atomic, Nuclear & Particle Physics (Beginner to Expert) – Dr. Borge Göbel
- Publication: Health Records of Stigma Diseased Patients using Blockchain (IJARSCT, May 2023, DOI: 10.48175/IJARSCT-10600)

Achievements & Extracurricular

- Led technical team project on blockchain health records (KSCST sponsored).
- Tech Talk & Seminar Speaker during B.Eng. program.
- Event Organizer at UCD Club, managing conferences & events

Hobbies

Wildlife photography 📷, Astronomy & astrophysics 🌌, Sports & fitness 🏀🏊, Finance & investment 📊
Volunteering & community service 🤝, Hospitality & service skills 🍷🍹, Films, documentaries & storytelling 🎬, Reading (tech, biographies, sci-fi) 📖