

ALOYSIUS SHERBO G

Software Engineer | Full-Stack Developer (Python / React.js)

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PROFESSIONAL SUMMARY

Python Full-Stack Developer with hands-on experience building and deploying AI-powered web applications using React.js, REST APIs, and NLP/OpenAI integrations. Skilled in software development lifecycle (SDLC), cloud deployment, API automation, and software testing/QA. Delivered a production-ready AI solution in a 48-hour buildathon, demonstrating rapid prototyping and execution under pressure. Seeking a Software Engineer / Full-Stack Developer role to apply full-stack engineering and AI integration skills to scalable, user-centric products.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript (ES6+), SQL, HTML5, CSS3
- **Frontend:** React.js, Bootstrap, Responsive Web Design, Figma, Canva
- **Backend & APIs:** REST API Development, Telegram API, SMTP Protocols, OpenAI API
- **AI / NLP:** Natural Language Processing (NLP), Prompt Engineering, Model Output Interpretation
- **Cloud & DevOps:** Cloud Deployment (IBM Cloud), Git, GitHub, Version Control, CI/CD Fundamentals
- **Testing & QA:** Manual & Functional Testing, Bug Tracking, Defect Reporting
- **Methodologies:** SDLC, Agile Collaboration, Full-Stack Development, Rapid Prototyping

PROFESSIONAL EXPERIENCE

Cloud Technology Intern | IBM (Naan Mudhalvan) Jan 2026

- Completed structured training in cloud computing, REST API architecture, and SDLC, building a foundation in enterprise-grade backend systems.
- Applied cloud deployment workflows and DevOps concepts to 12 hands-on exercises, reducing manual configuration time by an estimated 30%.

QA & Software Testing Intern | Srishti Innovative Jan 2025

- Executed functional and manual testing across 20+ web application modules, identifying and logging 35 defects prior to release.
- Partnered with development teams to reproduce, triage, and verify bug fixes, reducing defect resolution turnaround time by 8 hours per sprint.

PROJECTS

Health Wise AI | Python, React.js, HTML, NLP <https://github.com/sherbo16/healthwise.git>

- Engineered a full-stack AI-powered healthcare platform for symptom analysis and medical report interpretation, improving patient access for an estimated 20+ users.
- Built a responsive React.js interface for symptom-to-disease prediction, translating NLP model outputs into user-friendly recommendations.
- Optimized medical report simplification logic to convert clinical language into plain-language summaries, increasing accessibility by 40%.

House Price Prediction | Python, Pandas, NumPy, Scikit-learn, Regression Modeling <https://github.com/sherbo16/House-PricePrediction.git>

- Built a regression-based machine learning pipeline to predict residential property prices from features such as area, location, and room count, streamlining data-driven price estimation.
- Performed end-to-end data preprocessing, exploratory data analysis, and feature engineering, then trained and evaluated multiple regression models in Scikit-learn to select the best-performing predictor.

Movie Recommendation System | Python, Pandas, Scikit-learn, Cosine Similarity

<https://github.com/sherbo16/Implementation-of-Movie-Recommender.git>

- Implemented a content-based movie recommendation engine that analyzes movie metadata (genre, cast, overview) using vectorization and cosine similarity to suggest relevant titles and enhance content discovery.
- Preprocessed and cleaned large-scale movie datasets, engineering features to generate ranked, personalized recommendation lists and improve overall model relevance.

ACHIEVEMENTS & CERTIFICATIONS

- Built and deployed a functional AI-powered solution within 48 hours at the OpenAI Academy x NxtWave Buildathon.
- Recognized for technical contribution at CODEGEAR, an IEEE Computer Society event, Jeppiaar Engineering College.
- Selected participant in Google's "Product Thinking and Future Engineering" session, led by a Google Staff Engineer.

EDUCATION

B.Tech, Information Technology — Jeppiaar Engineering College (Anna University) 2023 - 2027

CGPA: 7.6 / 10

Higher Secondary Certificate (HSC) — Evans Matric Higher Secondary School

Score: 79%