

# Swaroop

+91 9353393942 | [swaroopa802@gmail.com](mailto:swaroopa802@gmail.com) | [linkedin.com/in/Swaroop-Acharya](https://linkedin.com/in/Swaroop-Acharya) | [Portfolio](#)

## EDUCATION

### Sahyadri College of Engineering & Management

Bachelor of Engineering in Information Science and Engineering | **CGPA: 8.68**

Mangalore, India

May. 2019 – May 2023

## EXPERIENCE

### Associate Software Engineer

Jan 2024 – Present

*Illumifn India*

- Working on a full stack Java Spring project that mainly uses MVC architecture, which is also the legacy project for the **Health Annuity and Lifecare (HAL)** Software development team.
- Actively participates in agile driven software development projects, contributing to code reviews and within **global development** teams such as North America to deliver high-quality software solutions.
- Assists senior developers in designing and implementing software components, gaining proficiency in programming languages such as Spring and SQL.
- Developed automated tests using JUnit and Mockito, reducing bugs in production by 20%.

### Freelance Developer

March 2023 – Jan 2024

*Fiverr, Upwork*

- Provided expertise in **SEO optimization** for websites, specializing in web UI/UX design, web development, and app development.
- Received recognition for exceptional backend skills in successfully completing over 10 international freelance projects with high client satisfaction.

## TECHNICAL SKILLS

Languages:	Java, Python, C/C++
Web Development:	HTML5, CSS3, Javascript, PHP, Node.js
Frameworks:	Spring, React, Express, TailwindCSS, Bootstrap, Chakra-UI, Material-UI
Developer Tools:	Git, Bitbucket, Jira
Databases:	MS SQL, MySQL, MongoDB

## PROJECTS

### Optimal Flight Navigation System [Live](#) | React, Express, Node.js, MySQL, API

April 2024

- Developed robust flight navigation software for **optimal route planning** and **risk mitigation**, addressing **GPS issues**, **weather conditions**, and **electronic failures**.
- Integrated **real-time** data from APIs for **dynamic risk assessment** and **route adjustment**.
- Implemented advanced **route planning algorithm** to ensure **safe and efficient navigation**, with an intuitive UI and **real-time dashboard** for updates and alerts.
- Deployed** the full-stack application, meeting all objectives and demonstrating real-time functionality.

### Portfolio with Content Management System [Live](#) | React, Express, Node.js, MongoDB, JWT

April 2024

- User registration and login options with personalized messaging to the portfolio owner.
- Admin panel** restricts access to authorized users, facilitating **CRUD operations** on users, projects, and messages.
- All information displayed within the application is sourced from meticulously crafted **backend APIs**.
- Utilized **JSON Web Tokens (JWT)** for secure information exchange between client and server.

### Multi-Modal Bank Authentication System | Python, Machine Learning, MFCC

May 2023

- Developed a multimodal authentication system for a bank using facial and voice recognition.
- Multimodal provides extra security for authentication.
- The model has an **accuracy** of **96.38%** on the Labeled Faces in the Wild benchmark.

## ACHIEVEMENTS & AWARDS

- Finalist in **National Level Airbus 6.0 Hackathon**, demonstrating excellence.
- Received funding from the **Karnataka State Council for Science and Technology** for the final year project.
- Participated in **Flipkart Grid 4.0 Software Development Challenge**.