

Gokul Kumar A

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Summary

Entry-level Java Developer with hands-on exposure to Core Java, Spring Boot, JDBC, and SQL, supported by internships in AIoT and Data Analytics. Experienced in backend fundamentals, automation testing, and project work including an AIoT-based Smart Street Light System, with a strong foundation in OOP and Data Structures.

Education

Pre-University	June 2019 - March 2021
Dayananda Sagar Pre-University College	76.6%
Bachelor of Engineering in Information Science and Engineering	Dec 2021 - May 2025
Visvesvaraya Technological University	CGPA:7.0

Experience

Data Analyst Intern Edunet Foundation,	Nov 2023 - Jan 2024
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- Optimized data processing efficiency by 20% through rigorous analysis and cleaning of large datasets using python.
- Engineered robust features and developed insightful data visualizations within Jupyter Notebook.
- Collaborated effectively with team members to automate data preprocessing workflows.

AIOT Intern Xtrans Solutions	Oct 2024 - Jan 2025
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- Developed a Smart Street Light System using IoT sensors, Raspberry Pi, and Python, reducing power usage by 30%.
- Designed automation scripts to process real-time data and control devices based on ambient light.
- Integrated microcontrollers and sensors for environmental data monitoring.

Projects

Smart Street Light System using AIOT	Oct 2024 - Jan 2025
<ul style="list-style-type: none">Designed an AIoT-based Smart Street Light System using Raspberry Pi to automate street lighting based on ambient lightIntegrated sensors and IoT connectivity to enable real-time monitoring and energy-efficient operation.Enhanced system efficiency and smart city applicability through intelligent, data-driven automation	

Software Testing on Khelmart website	Aug 2024-Nov 2024
<ul style="list-style-type: none">Automated 30+ test cases using Selenium, JUnit, and Maven, cutting manual testing effort by 40%Designed highly reusable test scripts, significantly improving bug detection efficiency.Enhanced build management through Maven and version control using strategies using Git.	

Technologies

Programming Languages: Java, Html, CSS, JavaScript, Python(basic).

Frameworks & Libraries: Pandas, NumPy, Spring, Spring boot, Jdbc

Devops Tools: Git, Selenium, Maven, GitHub

Databases: MySQL, Apache, SQLite

Core Concepts: Object-Oriented Programming (OOP), Data Structures, Software Testing.

Activities

- Spearheaded a 2-member team at Magnovite-Hackathon hosted by Christ-University.
- Directed a 3-member team at Talent Search competition at Dayananda Sagar University.
- Presented IoT-based Smart Street Light project recognized for innovation in energy efficiency