

Suraj Kumar Subudhi

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github.com

Professional Summary

A highly motivated software developer with a solid background in software development, algorithms, and object-oriented programming. Passionate about developing efficient, scalable, and user-centric applications, with a good sense of problem-solving and innovation. A good communicator and team player, able to work in cross-functional settings to ensure project success. fast learner with an analytical mindset who is dedicated to continuous learning and challenge adaptation. Eager to use problem-solving skills and technical knowledge in a fast-paced setting to develop software solutions that have an impact

Education

C.V. Raman GLocal University, B.Tech in Artificial Intelligence and Data Science 2021 – 2025

- CGPA: 8.53/10.0

- **Coursework:** Machine Learning, Data Mining, Big Data, Cloud Computing, Operating Systems, Algorithms, Software Engineering, Object-Oriented Programming (Java, C++), Python Programming, Data Structures

College of Basic Science and Humanities, Higher Secondary Education in Science 2019 – 2021
stream

- Percentage: 87%
- **Coursework:** Physics, Chemistry, Mathematics, Biology

Shree Krishna International School, Secondary Education 2017 – 2019

- Percentage: 84%
- **Coursework:** Physics, Chemistry, Mathematics, Biology, Computer Science

Internship Experience

Machine Learning Intern, NSTL - DRDO, Visakhapatnam Dec 2023 – Jan 2024

- Developed a machine learning model to predict the drag force on underwater bodies, achieving 94% prediction accuracy.
- Preprocessed datasets and trained neural networks based on features like shape, size, and speed.
- Validated the model's accuracy to optimize marine designs.

Web Developer, Bharat Intern, Remote Jun 2023 – Jul 2023

- Used HTML, CSS, and JavaScript to create responsive web apps that prioritize mobile design and cross-browser interoperability.
- Developed interactive applications that showcased mastery of UI design and DOM manipulation, such as a Temperature Converter App and a Netflix Homepage Clone.
- Created and launched a personal portfolio website that showcases accomplishments, abilities, and projects with maximum accessibility and performance.

Java Developer, Oasis Info-byte, Remote Jun 2023 – Jul 2023

- Created and implemented Java-based programs, obtaining practical knowledge of data structures, exception handling, and object-oriented programming.
- developed real-world projects using Java, file management, and user authentication mechanisms, such as an online quiz examination system, an ATM interface, and a number guessing game.
- created and implemented an online railway reservation system with multi-user access features and database connectivity (JDBC) for smooth booking administration.

Training & Courses

Data Science with Python

Nov 2022 – Jan 2023

- Completed comprehensive training in data analysis, machine learning, and Python programming.
- Gained hands-on experience in data preprocessing, model building, and visualization using Pandas, NumPy, and Matplotlib.

Coursera Certifications:

- **Automating Real-World Tasks with Python** - Learned how to automate repetitive tasks using Python scripts, including file handling, API calls, and process automation.
- **Configuration Management and the Cloud** – Explored cloud computing fundamentals, infrastructure as code (IaC), and automated system configurations.
- **Introduction to Git and GitHub** – Mastered version control concepts, including branching, merging, and managing repositories on GitHub.
- **Using Python to Interact with the Operating System** – Worked on system automation by handling files, and directories, and executing shell commands using Python.

Projects

ATM Management System

github.com/Projects/repo

- Designed a database-driven ATM management system to efficiently handle transactions, customer data, and security features for banking institutions.
- Tools Used: SQL, MySQL, ER Diagrams, Database Normalization (1NF, 2NF)

Face Recognition Operator Interface

github.com/Projects/repo

- Developed a Java Swing-based GUI application for facial recognition and image identification, integrating database retrieval and user interaction features.
- Tools Used: Java, Swing (AWT & JFrame), Event Handling, GUI Design, Image Processing

Responsive Personal Portfolio Website

github.com/My Portfolio

- Designed and developed a responsive portfolio website with dark and light mode functionality, interactive UI elements, and animated scroll effects.
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- Tools Used: HTML, CSS, JavaScript, Swiper

Technical Skills

Languages: Python, Java, JavaScript, C++, SQL

Technologies & Tools: Web Technologies, MySQL, TensorFlow, Neural Networks, Hadoop, Power BI, GitHub, Ubuntu