Aditya Ranjan Sahoo

Bhubaneswar, Odisha, India | adityaen.official101@gmail.com | linkedin.com/in/AdityaRanjanSahoo |
github.com/KnowME-AS-Aditya

PROFESSIONAL SUMMARY

Detail-oriented and ambitious Software Development Engineer, passionate about solving complex problems and crafting efficient, scalable solutions. Gaining Experience in integrating cutting-edge cloud technologies and building user-centric applications. Proficient in Java, Python, and iot systems. Proven experience in building and presenting technical tools. Passionate about community advocacy and collaborative development.

TECHNICAL SKILLS

Programming Languages: Java (Core, OOP), Python, SQL, C++, C[embedded]
Data Structures & Algorithms: Intermediate Proficiency
Cloud Technologies: Google Cloud Platform (Terraform, Containers, Cloud Vision API, Kubernetes, Load Balancer, BigQuery)
Backend Development: MySQL, Apache Tomcat, GoLang
Tools & Frameworks: Grafana, Apache Netbeans, Git, Tableau, Postman API, PyCharm, OpenCV
Development Principles: Object-Oriented Programming, Procedure Oriented pipelines, Agile Methodologies
Non Technical: Good command of speech and communication, persistent and sensitive to dynamic changes.

PROJECTS

Alive Human Detection Bot in Disasters | *C++ (Arduino) , Serial Monitoring , IoT Integration, Cloud Computing*

- Built a real-time human presence and vital signs detection system using ESP32 microcontroller integrated with multiple data-sensors along with scalable IOT dashboard

AI Virtual Painter | *Python, OpenCV, MediaPipe*

- Built an AI-powered tool using efficient algorithms, cutting latency by 30% for real-time gesture processing.

EXPERIENCE

Technical Contributor   May 2024 – Dec 2024
Google Cloud Community | Remote

- Collaborated with a team to integrate APIs and optimize backend systems, improving application responsiveness by 20%.
- Participated in code reviews and shared technical insights, fostering team learning and increasing community engagement by 15%.

Developer Advocacy[Content Writer]   Dec 2024 – Present
Innovation And Entrepreneurship Cell | Hybrid

- Created engaging content for Instagram and WhatsApp campaigns to promote college's innovation initiatives, improving student engagement.
- Authored thought-provoking articles on topics such as *market monopolies and capitalism*, demonstrating strong research

EDUCATION

B.Tech – Computer Science Engineering [IoT]   2022 – 2026
ITER, SOA   *CGPA: 8.78/10*

Higher Secondary Education – Science   2020 – 2022
Mother's Public School   *Bhubaneswar | Percentage: 89.80%*

Secondary Education   2008 – 2020
Ruchika High School   *Bhubaneswar | Percentage: 95%*

CERTIFICATIONS

Design Patterns in Java: Learned scalable software design principles.

Fundamentals of Accelerated Computing with CUDA Python: CUDA Basics with NumbaPy, Learned Thread hierarchy (grid, block, thread), launching kernels, and grid-stride loops

Java (Basic) Certificate: HackerRank skill certification test

SQL Bootcamp: Mastered database optimization techniques.

Postman API Fundamentals Student Expert: Skilled in API testing workflows.

IBM Serverless Application Development (Ongoing) : Working on serverless architecture, API integration and cloud automation