

Aman Kumar Dewangan

☎ +91 83056-24838 | amandewatnitrr@gmail.com |  LinkedIn |  GitHub |  Portfolio | 📍 Bangalore, Karnataka

WORK EXPERIENCE

Software Engineer, GE Healthcare

August 2022 – Present (2 Years)

- Migrated application to Microservice Architecture for GE Monitoring Devices, enhancing performance, scalability and reducing deployment time by 10%.
- Developed a Python-based Pipeline Service for the DevOps team, tracking tag release usage and other attributes reducing manual tracking efforts by 60%.
- Implemented a Real-time Grafana Dashboard, reducing incident reporting & response time by 40%.
- Built a chatbot for document inquiries, reducing response time by 70% and handling over 200 queries/week.
- Built a log analysis system with Kafka and Elasticsearch, boosting data insight generation by 50%.
- Technologies Used - **Java, Groovy, Python, C++, PostgreSQL, Shell Scripting, Jenkins, Grafana**

Research Intern, Wolfram - [Project](#)

June 2021 – July 2021 (2 months)

- Developed a function for aligning two expressions by generating transformation operations, resulting in identical evaluations. Utilized tree-based representation and computational techniques for precision.
- Project Details:

SKILLS

Languages and Tech Stack: C, C++, Python, JavaScript, Java, Wolfram, Groovy, Mathematica

Technologies: Git, Django, ReactJS, Shell Scripting, PostgreSQL, MySQL, Docker, Kubernetes, CI/CD Pipeline, Goggle Cloud, Grafana, Linux

Other Skillset: Figma, Animation with Adobe AfterEffect, 3-D Design with Blender

PROJECTS

LogiTraffic | [GitHub](#) | [YouTube](#)

- Engineered an online vehicle monitoring platform, enabling real-time tracking of key parameters like fuel level, GPS location, speed, and traffic conditions using IoT.
- Developed anti-theft features using IoT enabling users to remotely lock vehicles, access real-time driver video streams, and capture driver images for enhanced security and legal documentation.
- Utilized tech stack including Arduino, Raspberry Pi, Firebase, JavaScript, ReactJS, Django, and machine learning to enhance system functionality and deliver comprehensive solutions.
- Presented in E-Ujjwala Hackathon 2020 by Birsa Institute of Technology, Jharkhand (Team Aztecs - Finalists)

Sanjeevani | Github - [Web Version](#) / [App Version](#) | [Certificate of Appreciation](#)

- Android/Web and IoT based Real-Time Health Monitoring and Medical Consultation System
- Conducted research during an internship at the National Institute of Technology Andhra Pradesh, focusing on Healthcare, contributing valuable insights and findings.
- Implemented a Chat interface for testers and doctors to communicate and prescribe treatments.

EDUCATION

National institute of Technology Raipur

Bachelor of Technology(B.Tech): GPA: 8.51/10.00

Raipur, Chhattisgarh, India

Aug 2018 – May 2022

Krishna Public School

CBSE - 12th: Percentage: 89.6%

Raipur, Chhattisgarh, India

April 2017 – April 2018

RECOGNITION & ACHIEVEMENTS

Winner: Overall 1st Position at Codeutsava 5.0 organized by Turing Club of Programmers, NIT Raipur (2022)

Mentored at: SparkDev Robotics Program 2021 (UPE FIU), HackOdisha 2021, HackNITR 3.0, HackCBS 4.0, ShellHacks 2021 (UPE FIU)