UJJWAL SHIVACHARYA

Engineering @ Zurn Elkay ● Automation Engineer ● Ex Google DSC Lead

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WORK EXPERIENCE

Software Engineer - Network Security
Zurn Elkay

📅 August 2024 - Present   📍 Hyderabad, India

- Engineered in-house asset management workflows (Graph API, Agentic AI, Power Platform, Python), reducing manual inputs and automating manager approval processes.
- Integrated AI-driven decision logic and collaborated on security initiatives to maintain peak network uptime.

AWS Infrastructure Operations
Sears Holdings

📅 May 2023 - July 2024   📍 Hyderabad, India

- Developed Python/Linux automation for mail lead generation, significantly minimizing daily manual tasks and enhancing program efficiency by over 50%.
- Managed auto-scaling AWS architecture and implemented monitoring with CloudWatch & New Relic to meet SLA targets.

PROJECT HIGHLIGHTS

GDSC IARE Open Source Platform

- Transformed GDSC IARE's project documentation into an intuitive platform for 2022-23 initiatives, elevating content discoverability by 70%.
- Integrated Nextra, NextJS, and Tailwind UI based on custom Figma boards, demonstrating proficiency in modern web development and design principles.

CodeLink

- A full-stack web application (Node.js, Express.js, Tailwind UI) enabling users to store and share code snippets publicly.
- Delivered a responsive design with syntax highlighting for 50+ languages and theme customization, optimizing user experience and readability.

Utsav IARE - The Events App

- a comprehensive Flutter-based college events app integrated with Google Firebase (Firestore, Push Notifications) for real-time updates, now serving students campus-wide.
- Implemented the Firebase backend schema and developed an admin panel using Streamlit for seamless event data synchronization and management. The Android App was recently made live for campus use (Click Here).

ACHIEVEMENTS

- Won 1st Prize at Lexicon 4.0 - a 24 Hours Hackathon
- Won 2nd Prize at WebGeeks - a 3 hours Web Development Contest
- Won 3rd Prize at METE Project Expo 2021 - Innovative Project Implementation
- Top Codechef Rating of 1647 - 3 Stars in Division 2
- Received 5 Star Badge in HackerRank Python Skill on acquiring 475+ points
- Completed HacktoberFest 2022 with Open Source Contributions

EDUCATION

B.Tech in Computer Science
IARE, Hyderabad

Class XII
Sri Chaitanya IIT Academy

SKILLS

Python | Java | HTML | CSS | JavaScript | Agentic AI | Tailwind UI | Firebase | SQL | MongoDB | FastAPI | Git/Github | Linux | Data Structures | AWS Cloud | REST APIs | Azure AD | Playwright | GCP | NewRelic | Gen AI | Excel | Figma | UI / UX Design

PUBLICATIONS

Custom Manufacturing Using Industry 4.0

📅 Sep 2022

- Published in the Book "Cloud Analytics using Industry 4.0" by De-Gruyters
- Deep dive into Industry 4.0's transformative role and its impact on technology

RESPONSIBILITIES

- Core Lead at TFUG Hyderabad
- Core Contributor at Google Developer Groups, Hyderabad
- Student Ambassador at Streamlit
- GDSC Lead at IARE, Hyderabad
- Technical Member at CSI

TOP CERTIFICATIONS

- Python Data Structures - University of Michigan
- Cloud Practitioners Certification - Google
- Python Data Visualization Certification - Rice University
- Cybersecurity Certification - Google
- IIT Madras Data Science Certification
- LinkedIn - Python for Automation

CODING PROFILES

- HackerRank
- Google Cloud SkillBoost
- CodeChef
- GitHub