Krishna Sudan

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EDUCATION

Vishwakarma Institute of Technology   **Pune, India**
Bachelor's of Information Technology   Cumulative GPA: 8.84

WORK EXPERIENCE

UBS Group AG   **Pune, India**
Software Engineer   August 2023 - Present

- Boosted **cloud monitoring efficiency by 20%** by designing and deploying **Azure Resource Manager (ARM) templates** and building scalable **RESTful APIs using Spring Boot** for seamless infrastructure provisioning.
- Developed a **machine learning model with 94% accuracy** to predict **SLA breaches**, enabling **proactive monitoring** and improving **incident response and system reliability**.
- Enhanced **user retention by 15%** through a dynamic **React.js UI** (Tree and Tabular visualization) to surface SLA breaches with real-time filtering and improved user interaction.
- Automated **health checks, feed chasers, and change management workflows**, saving **210+ manual hours** and improving **operational efficiency**.
- Created a **QA utility** to validate downstream system readiness, reducing **manual verification by 50+ hours monthly**, accelerating **release cycles**, and enhancing cross-team collaboration.
- Applied **automated unit testing using JUnit** within a CI/CD environment, contributing to reliable code deployment and reduced regression bugs.

UBS Group AG   **Pune, India**
Technology Intern   January 2023 - June 2023

- Designed a **predictive monitoring system** for **CPU load and system metrics**, achieving **98% forecast accuracy** over a 90-day period, enabling **proactive scaling** and performance optimization.
- Streamlined **frequent user incidents** by developing automated workflows, reducing manual workload for the **Application Support and Reliability (ASR)** team and enhancing operational uptime.

SKILLS

Programming Languages: C++, Java, Javascript, Python
Framework and Libraries: Spring Boot, React JS, Node JS, Microservices, REST API's
Databases: MySQL, PostgreSQL, MongoDB
Tools and other Technical Proficiencies: Git, Linux, Junit, HTML/CSS, Bootstrap
Concepts: SDLC, CI/CD, Test Automation, API Design

PROJECTS

UBS Optivision   **Javascript, React JS, HTML, CSS**

- **Developed a Chrome extension and responsive website** utilizing **Ishihara plates** to test for **Color Vision Deficiency (CVD)**, promoting **accessibility** and **workplace inclusivity** through intuitive UX design.

Popup Notification Sender   **Java, Python, SQL**

- **Built a backend service** for **Veritas LLC's Illuminate program**, enabling **multi-channel communication** (Email, WhatsApp, SMS) for product update subscriptions, improving **user engagement** and **message delivery flexibility**.

Personal Khata   **Java, Android SDK, Firebase**

- Built an **Android application** for managing and tracking **categorized income and expenses** to help users monitor personal finances.

ACHIEVEMENTS AND CERTIFICATIONS

- UBS India Hackathon Winner
- UBS Certified Engineer and Problem Solving Certified by Hackerrank