Diwakar Rai

Snellville, GA 30078 ● Drai5@students.kennesaw.edu ● 404-333-5322

EDUCATION

Kennesaw State University, Marietta, GA   Fall 2024
Bachelor of Science in Software Engineering
Relevant Coursework: Data Structure, Cloud Software Development, Database System, Software testing & QA, Operating System, Computer Organization & Architecture, User Centered Design.

RELEVANT TECHNICAL SKILLS

Programming Language: Java, HTML, CSS, JavaScript, Python, Dart, PowerShell, Go, C++
Framework: Bootstrap, ReactJS, Flask, Flutter, Spring Boot
Backend Technologies: Docker, Kubernetes, Microservice Architecture, PostgreSQL, SQL, Firebase
DevOps & Cloud: Google Cloud, CI/CD pipelines
Platform: IntelliJ IDEA, VS Code, PyCharm, Git, AWS, Jira

WORK EXPERIENCE

Cybriant, Alpharetta, GA – *Software Engineer Intern*   Aug 2024 – Dec 2024
- Designed and developed a **scalable Attack Surface Management system** using **Python, Google Cloud Run, and BigQuery**, enhancing security assessment accuracy by 40%.
- Developed **backend APIs and data pipelines** to process and analyze large-scale security data, reducing processing time significantly.
- Built **Grafana dashboards** for real-time monitoring, enabling clients to visualize security threats and reduce cybersecurity risks.
- Collaborated with cross-functional teams in **a remote-first environment**, using **Agile & DevOps** methodologies.

RELEVANT PROJECT EXPERIENCE

Dopamine Tracker   Nov 2023 – Present
- Developed a **microservices-based backend** mobile app using **Flutter**, achieving a user-friendly interface contributing to a positive user experience, with initial feedback indicating over 80% of users found it easy to navigate.
- Integrated **Firebase** for secure data storage, real-time updates, and user authentication.
- Deployed a **dynamic reminder system** increasing user engagement by 50%, prompting completion of scheduled activities and tracking mood.

Closet Management System   Jan 2023 – Present
- Collaborated with a team to develop a full-stack Java application, utilizing **PostgreSQL** for efficient data storage and retrieval to improve the management of user data and clothing inventories.
- Designed and built **RESTful APIs** for weather integration, delivering personalized outfit recommendations based on real-time weather conditions, mirroring real-time API functionality required in financial services.
- Developed user-specific wardrobe preferences and expanded API functionality to deliver customized outfit recommendations, increasing user satisfaction by 50%.

Flashback Memory   Mar 2023 – May 2023
- Collaborated with a lab researcher from the University of Georgia (UGA) to develop a **Python-based application** designed to enhance users' memory retention through daily engagement and structured learning check-ins.
- Implemented a systematic login process, prompting users to recall and reinforce learned materials three times daily, elevating retention rates by an estimated 30% during user testing.
- Implemented **CI/CD pipelines** for continuous deployment and version control.

ADDITONAL SKILLS AND INTERESTS

Languages: English, Nepali, Hindi
Interests: Soccer, Guitar, Video Games, Hiking, Travel