AAYUSH KAFLE

Address: 408 Maple St SE, Albuquerque, NM, 87106 | Phone: 505-677-2730 | E-mail: aayushkafle308@gmail.com | Portfolio

SUMMARY

- Proficient in Java and object-oriented programming, with extensive experience in designing and implementing real-world applications, including productivity apps, and auction management platforms.
- Experience using Python, JavaScript, and R for technical support and process optimization for course evaluations, significantly improving file sorting efficiency by 50%.
- Adept at developing web applications with HTML, CSS, and JavaScript, utilizing a responsive design.
- Knowledgeable in computer architecture with practical experience in C and Assembly languages.
- Experience in writing various DDL and DML SQL queries including sub-queries, case expressions, and joins
- Ability to work in Waterfall model, V model, Agile methodology of project management
- A quick learner having diversified knowledge and the ability to work independently
- Collaborative team player as well as a strong individual contributor

TECHNICAL SKILLS AND CERTIFICATIONS

- **Programming Languages:** Java, Python, JavaScript, C, C++, R, SQL, Assembly, Scheme, Haskell
- **Software/Tools:** IntelliJ IDEA, Visual Studio Code, Git, MySQL, MATLAB, LaTeX, MS Office Suite, Google Suite, Adobe Creative Cloud, Figma
- **Web Development/Frameworks:** HTML, CSS, JavaScript, React
- **Project Management Skills:** Waterfall, Agile, JIRA
- **Course, Certifications, and Research:** CS50: Introduction to Computer Science (edX), CS50: AI (edX), Google Project Management (Coursera), Google Data Analytics (Coursera), Discover AI (UNM), Research: A Comparative Analysis of Security and Privacy Challenges: Oracle and NoSQL databases

EXPERIENCE

IT Academic Technologies, Course Feedback Team — Albuquerque, NM
Technical Specialist — *May 2022 to Present*

- Provided technical support for Course Evaluation Surveys, enhancing the user experience for students, faculty, and staff through regular communication with administrators across 39 different departments.
- Improved file sorting efficiency by 50% by developing a custom file sorting algorithm in Python.
- Utilized R, and Excel to maintain course listings, ensuring accurate department records and resolving discrepancies.

Classroom Technologies, IT — Albuquerque, NM
IT Consultant — *Feb 2022 to Aug 2022*

- Supported classroom technologies by ensuring proper installation and maintenance of software and equipment.
- Reduced unresolved support tickets by 10% through prompt issue resolution via phone and on-site support.
- Maintained detailed records of service requests using Cherwell.

PROJECTS

Focus Session | Andriod App | Java

- Built a productivity app using the Pomodoro Technique, featuring Google Sign-in, task management, and session tracking.
- Tools utilized: Java, git tracking, Google's Firebase database, JSON files, Figma

Portfolio | Web Application | HTML, CSS, and JavaScript

- Developed a personal portfolio website using HTML, CSS, and JavaScript to showcase my skills and project. Implemented responsive design principles for optimal viewing across various devices.

Human Benchmark | Design of Large Programs | Java

- Replicated all games from humanbenchmark.com and developed a custom game using Java. Implement algorithms to evaluate human performance in various tasks and generate results in a text file format.

Auction House | Design of Large Programs | Java

- Led a team of 3 to develop the auction management system, allowing clients to participate in auctions through a server-based platform. Managed the creation, listing, bidding, and closure process ensuring smooth operation from both sides.

Bomb Lab | Computer Architecture | C & Assembly, Linux

- Explored computer architecture principles by implementing and optimizing code in C and Assembly languages. Delved into the intricacies of low-level programming and gained insights into system-level optimization techniques.

EDUCATION

Bachelor of Science in Computer Science with minor in Mathematics — University of New Mexico, Albuquerque, NM

- Graduation: December 2024
- Relevant Course Work: Software Engineering, Database Management, Mobile Computing, Operating Systems, Data Structures and Algorithms I & II, Design of Large Programs.