SOWNDARYA KRISHNAN NAVANEETHA KANNAN

Golden, CO | +1 539 895 1874 | krishnaofficial27@gmail.com | LinkedIn | GitHub

EDUCATION

COLORADO SCHOOL OF MINES   Golden, CO
Master's in Computer Science   Aug 2023 – Till date
Course works: Principles of Programming Language; Operating Systems; Discrete Mathematics

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE   Chennai, India
Bachelor of Engineering in Electronics and Communication Engineering   Aug 2018 - Jul 2022
Cumulative GPA: 8.56/10.

SKILLS

SHACL, SHACL-AF, Python, Flutter, Python, Android app development, Linux, SQL, Java, JavaScript (Node.js, React, TypeScript), Firebase, Git, HTML/CSS, MS Office

RESEARCH EXPERIECE

COLORADO SCHOOL OF MINES   Golden, CO
Research Assistant – Data & Metadata management of Cyber-physical systems   Aug 2023 – Till date
- Dedicated to optimizing query runtimes in context of Cyber-Physical Systems, with ongoing efforts to achieve a notable 90% reduction in query execution times.
- Took the lead in implementing a SHACL data validator, resulting in substantial improvements in data validation accuracy & enhanced data management practices.

PROFESSIONAL EXPERIENCE

NCOMPASS TECH STUDIO PRIVATE LIMITED   Chennai, India
Mobile Engineer, Front end Engineer, Cloud Engineer   May 2022 – May 2023
- Android Developer with expertise in Java, Flutter, Agile development, MySQL, and JavaScript frameworks.
- Led UI change initiative for Android app, contributing to substantial increase in downloads, surpassing 1,000+ on Play Store.
- Developed custom components resulting in a 25% increase in seamless integration across various business groups.
- Solely worked on development of applications, websites, and integrated various technologies
- Proficient in Git, unit testing, and test-driven development (TDD), ensuring an impressive 98% bug-free codebase.
- Implemented CI/CD practices, streamlining development processes and reducing deployment time by 50%.

PROJECTS

EMI CALCULATOR - 🔗 LINK
- Developed a feature-rich EMI Calculator mobile application from scratch which enabled users to calculate Equated Monthly Installments (EMI) for personal, car, and home loans.
- Implemented responsive design, supporting Android, iOS, and web platforms with a single codebase, resulting in 30% reduction in development time
- Introduced a PDF generation feature, allowing users to save and share their loan calculations.

AUTO FILE ORGANIZER - 🔗 LINK
- Developed an automated file organization script in Python to efficiently categorize downloaded files based on their extensions into designated folders (e.g., videos, audios, executables, and unknown files).
- Simplified file management and decluttered the "Downloads" folder.

CONVERTER FOR ME - 🔗 LINK
- Designed and developed a cutting-edge Flutter app for effortless weight conversion between pounds and kilograms, initially created to aid my transition to the USA fitness scene

For additional list of my projects, please refer to my GitHub profile above.