KEERTHANA VIJAYKUMAR

linkedin.com/in/keerthanavijaykumar/ | keerthana.kvijaykumar@gmail.com |
github.com/keerthana-vijaykumar | 928-863-9222 | Flagstaff, AZ

Skills

- C++ | Java | Python | JavaScript | TypeScript | Node | Angular | HTML | CSS | MySQL | Git | Jira | AWS | OpenShift
- OOPS | Spring Boot | REST API | Microservices | Figma | Azure | Maven | Sonar Cube | Soap UI | Postman | Agile

Professional Experience

Graduate Assistant — **Northern Arizona University (Flagstaff, AZ)** — **Dec 2022 – Present**

- Provided academic assistance for a diverse range of computer science courses, spanning Python, Algorithms, MATLAB, and Computer Networks, supporting over 30 students.
- Conducted interactive tutoring sessions for over 20+ students, utilizing personalized teaching approaches, leading to a 30% increase in exam scores and graded assignments as well.

Software Engineer — **Fidelity Information Services (Bangalore, India)** — **Nov 2019 - Jul 2022**

Project 1 - Retail Lending with Angular 10:

- Collaborated as a UI Developer for Modern Banking Platform, a core banking product of FIS, encompassing Admin and Servicing applications in an Agile environment, contributing to the successful completion of 12+ major feature implementations.
- Developed 8+ REST APIs to seamlessly interface with SOAP services using JAXB objects, resulting in an overall improvement in the system performance.
- Mitigated security issues using Veracode, Sys dig, Black duck, and SonarQube, achieving an 85% reduction in vulnerabilities**.**

Project 2 - Common Arrangement Platform with Angular JS:

- Significantly enhanced banking applications by implementing a unified Metadata UI, driving a 30% increase in team productivity while configuring diverse products like Transaction and Payment Types, and Charge Schedules.

Intern — **Ninestars' Information Technologies (Bangalore, India)** — **Jul 2018 - Aug 2018**

- Conducted sentiment analysis on 500+ collected reviews using Google Cloud NLP, extracting valuable insights to drive strategic improvements in educational institutions' offerings, leveraging the Spring MVC framework.

Education

- **Northern Arizona University, Master of Science** — **Aug 2022 - Present**
  Major in Computer Science - CGPA: 4.0/4 (**Transcripts**) — Flagstaff, AZ
- **MVJ College of Engineering, Bachelor of Technology** — **Aug 2015 - Jun 2019**
  Major in Computer Science and Engineering - CGPA: 3.26/4 (**Transcripts**) — Bangalore, India

Projects

- **ANONYMOUS SHARE:** Developed an innovative file-sharing project using FTP protocol and implemented socket programming with Tkinter GUI; optimized user experience and increased file transfer speed by 40%. (**View Code**)
- **NPM DEPENDENCY HEALTH ANALYZER:** In a research paper, utilized Python in conjunction with the GH-Search API and NPM registry to perform NPM dependency analysis, providing valuable insights for enhancing software maintenance procedures. (**View Code**)
- **URL SHORTENER:** Designed the service to shorten URLs in real-time using Spring boot, handling over 1000 requests per second with minimal latency, achieving a 95% uptime, resulted in minimal service disruptions and maintained URL redirection reliability. (**View Code**)

Mentorship & Awards

- Recognized for outstanding performance in a quarter and achieved the "Best Performer of the Month" title twice at FIS.
- Demonstrated leadership as the Officer of the NIC Newsletter Club at MVJCE.
- Orchestrated and executed 7+ successful events as the Event Coordinator for the NAU Computer Science Club.