ASUTOSH KARANAM

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Dear Hiring Manager,

I'm an MS-Computer Engineering full-time graduate student at Arizona State University in the Ira A. Fulton School of Engineering. I am interested in seeking the position of Software Development Engineering Intern. As an adept engineer, my professional objective is to utilize my practical knowledge and strong software development background to make valuable contributions in the creation of efficient, essential and multifaceted business software within your organization.

After discovering this position, I was enthusiastic about reaching out to express my interest. I offer 4+ years of professional expertise in the field of Software Development, during which I have had the opportunity to work with esteemed organizations such as Comcast and Arizona State University. I have had numerous opportunities to design, ideate and develop software applications on diverse avenues of Product Development and EduTech. I have worked across multiple stages of software development lifecycle: from designing and developing customer-critical user applications on Gateway Devices to building Web Automation frameworks that test and maintain the Front-end Web Applications pre and post-releases.

During my tenure as a Product Software Developer in the Xfinity Products Division, I was able to hone my expertise with my involvement in the development of a plethora of software applications that orchestrate the end-to-end functioning of an ecosystem of products using C/C++, Python, Linux. My key takeaways include developing a Multi-Threaded Packet processing unit by implementing several Data Structures and Thread-Signalling mechanisms for synchronization. Also, I developed two standard device applications that transact with the XFi cloud and applies the cloud-sent configuration settings to the device, which gave me the opportunity to explore many Data Interchange formats such as Google's Protocol Buffers and Message Packs. Such hands-on experience comprehended my insight into several vital areas of Software Development. Furthermore, throughout my experience, I have been presented with numerous opportunities to innovate, one of which involved devising a solution for gathering debug information to identify memory leaks in applications and build a stacktrace using the addr2line mapping for developers to inspect.

Currently I'm working as a Student Worker at EdPlus at ASU, I have been working on Developing Web Automation Frameworks using my skills in HTML, CSS, and JavaScript. I have had the opportunity to develop the entire test suite that automates the verification of Course Content Search, Role based Access control and special-user permissions functionalities of the educational content delivery application called ASU Orchard.

Besides possessing a well-rounded technical skillset, I have honed talents in Leadership and Tutoring, making me an ideal fit for this position. While I was pursuing my bachelor's, I worked as a Tutor for an on-campus initiative "Anukul Shiksha" which focuses on the skill development of peer students. I taught Computer Programming and Analytical Reasoning. I gained valuable experience in conducting Technical workshops aimed at delivering practical knowledge on Quantitative Aptitude and multiple disciplines of Software Development, Networking and Embedded Systems. All my previous roles have strengthened my capabilities in Leadership and self-organization with a keen attention to details.

I strongly believe my Academic Projects in different areas of Digital Image Processing, Android App development and Data Processing add up to my experience making me a forerunner. I have always strived to enhance my skill set that will have a cumulative impact on metamorphosing "laterally" and "longitudinally". My long term goal is to be an innovator and architect solutions that are inconspicuously interactive with mankind in solving their problems.

I am excited at the prospect of bringing my talents to your organization. Thank you for considering my application. I look forward to hearing from you at your earliest convenience, to discuss how my experience and qualifications will prove valuable in this role.

Sincerely,
Asutosh Karanam