DEEPANSHU SHARMA

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EDUCATION

MS in Computer Science: University of Texas at Dallas, USA GPA: **3.72**		Aug 19 - May 21
Bachelor of Technology in CS: VIT Vellore, India GPA: **8.46**		Aug 14 - May 18

TECHNICAL SKILLS

Languages: C++, Python, C#, Java, PHP, JavaScript, SQL, JSON, HTML, CSS
Libraries: Selenium, SciKit, Pandas, Tkinter, OpenCV, Bootstrap
Misc: Git, AJAX, Node.JS, Android, LAMP, WordPress, NewRelic

WORK EXPERIENCE

Software Developer 2, **Citrix Systems Inc.**, **USA**   Jun 21 – Present

o Implemented modules for Citrix Cloud backend services & tools, with CI/CD methodology, including in-house tool - Inquisitor, for management of monitoring & cloud services like NewRelic, Splunk, Azure Analytics etc.
o Delivered on new features, bug fixes, security fixes & other essential tasks in cloud monitoring, observability as well as cloud API services in a fast-paced environment.
o Discovered (and resolved) bugs - e.g., unnoticed downtime – across projects ensuring 99.995% uptime SLA of cloud systems.

Software Engineer**, Mercedes Benz Research & Development, India**   Aug 18 - Jun 19

o Promoted in 6 months of joining. Recruited and led team for new project, worked directly with HQ in Germany.
o Delivered 17x increase in performance by developing a new software for campaign monitoring and report generation. Reducing 94% of daily time consumption over the older system.
o Worked in data Analytics on the "Big Car Data" project utilizing real-time data from Mercedes' Cars for future product development.

PROJECTS

Stock Trading Web App: PHP, MySQL, HTML5, Bootstrap   Fall 2019
o Developed a SOA based 3-tier responsive stock trading web app, including relevant APIs & web services to connect to the 3rd party REST API. Features: Trading, Scheduling, Queue, Memcache, SSL.

Factory Layout designer, Mercedes-Benz: Python, Tkinter, Scikit   Spring 2019
o Achieved tremendous cost savings, through 70% reduction in licensing needs. Realised by developing a factory floor designing software, as a substitute for a *Dassault Systemes* software.
o It helped create factory layouts and simulate the production process by mapping robots, workers, accessories, and procedures involved in development, saving up to 5 weeks of manual efforts.

Reverse Image Search App: Android   Summer 2020
o Built an android app which simplifies reverse image search to a 2 step process, using Google APIs, utilizing image share feature as well as text-based search using android text highlight popup menu.

Connected Vehicle: Driver Assistance and Safety Module: Python, OpenCV, LAMP   Spring 2019
o Developed a Raspberry Pi based module to detect objects/people in front of a car and provide auditory/haptic feedback to the driver if the distance is less than ideal.
o It detected accidents, sent alert to contacts with GPS location, incident footage & live stream link.

URL Shortener: LAMP stack, HTML5, Bootstrap   Fall 2017
o Implemented web service for URL shortening with features like custom URLs, click tracking, user auth.

ACTIVITIES & ACHIEVEMENT

o **Teaching Assistant**: Software Engineering, CS - 3354, University of Texas at Dallas
o **Coursework**: Data Structures, Algorithms, Web Tech, Database, Operating Systems, ML, AI, NLP
o **Certifications**: Scrum, Android Dev, Git training, Azure, Security Certifications
o Robin Hood Army, facilitated logistics to help the less fortunate with food drives serving thousands.
o Intl. Cyber Olympiad (State rank 1, Asia #40) | National English Olympiad (State rank 2, India #60)