

# APEKSHA MATHUR

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Education	<b>MS in Computer Science, New York University, Tandon School of Engineering, Brooklyn, NY</b> May '17 <ul style="list-style-type: none"><li>Courses in software engineering, algorithms, operating systems, computer architecture, computer networks, database systems, network security</li><li>Projects in website development, cloud data security, mobile app development</li><li>Front Desk Assistant at NYU Department of Mathematics</li></ul>
	<b>BS in Information Technology, Jawaharlal Nehru Technological University, India</b> May '15 <ul style="list-style-type: none"><li>Course in web development, information security, data warehousing, data mining, database management, advanced Java technologies, computer science, C++, numerical methods, mobile computing</li></ul>
Technical Skills	<b>Programming:</b> C/C++, R, Python, Java, ASP.NET, SAS <b>Web Technologies:</b> CSS3, HTML5, JavaScript, jQuery, AngularJS, Bootstrap, PHP, Django <b>Databases:</b> SQL, MySQL, Oracle, PostgreSQL, SQLite, SQL Server <b>Other:</b> MS Office (Word, PowerPoint, Excel), Adobe Creative Suite (PhotoShop)
Experience	<b>Full Stack Developer, Crystal Brook Advisors, New York</b> Aug '16 – Oct '16 <ul style="list-style-type: none"><li>Established Customer Database Management System: reduced processing time 30%</li><li>Reengineered existing website to more user interactive platform</li><li>Mapped business processes, implemented proprietary tools by cutting down the third-party dependency</li><li>Collaborated with team to create clean interfaces and simple, intuitive interactions and experiences. Ensured application would adhere to SEO principles.</li></ul>
	<b>Web Application Developer, Technical Consulting &amp; Research, Inc., New York</b> May '16 – July '16 <ul style="list-style-type: none"><li>Developed technical acumen over Content Management Systems and WordPress-Based Systems</li><li>Enhanced functionality of existing web pages using WordPress</li><li>Designed and developed a prototype of creative solutions to engage students and create great user experience</li><li>Implemented design requirements and prototypes into working applications</li></ul>
	<b>Software Engineering Intern, Bharat Heavy Electrical Ltd, India</b> Mar '15 – May '15 <ul style="list-style-type: none"><li>Improved reporting process to monitor Software Asset Utilization Monitoring System (SAUMS)</li><li>Implemented SAUMS model; saved organization 17% on operational expenses</li><li>Developed reports to manage inventory and usage of CAD Software by each department and suppliers; improved decision making process for department managers</li></ul>
Academic Projects	<b>Social Networking Website (Techies.com):</b> <ul style="list-style-type: none"><li>Full-stack development of social networking website with functionalities similar to Facebook.</li><li>Coding Languages: PHP, HTML, CSS, PostgreSQL</li></ul> <b>Encryption and Decryption in a Virtual Multi-Cloud:</b> <ul style="list-style-type: none"><li>Developed cloud data security system to maintain integrity of data stored in cloud.</li><li>Encrypted uploaded files and split into multiple parts to store in multiple cloud servers.</li><li>Coding Languages: ASP.NET, SQL-Server</li></ul> <b>Alert Android Application:</b> <ul style="list-style-type: none"><li>Developed android app usable in emergencies or any potential dangerous situation on-campus.</li><li>Implemented system where user's coordinates can be determined/sent to central authorities for follow-up.</li><li>Coding Languages: Android OS, Java, SQLite</li></ul>
Volunteer	<b>Event Volunteer, Make A Difference, Hyderabad, India</b> 2013 – 2015 <b>Graphic Designer/Web Designer, A Free Bird, New York, NY</b> 2016 <b>Core-Team Mentor, Becoming I Foundation, Hyderabad, India</b> 2013 – 2014