Sheetal Patil

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EDUCATION:

University of North Carolina at Charlotte, Charlotte, NC	**MAY 2020**
Master of Science in Computer Science	**GPA - 4.0/4.0**
University of Mumbai, Maharashtra, India	**MAY 2016**
Bachelor of Engineering in Information Technology	**GPA - 7.64/10**

TECHNICAL SKILLS:

Languages:	C, C++, C#, Java, Android SDK, Python, Embedded C
Frontend:	TypeScript, NodeJS, AngularJS, ReactJS, Html5, CSS3, JavaScript, jQuery, Ajax, XML, JSON
Cloud:	Amazon Web Services [Computing Services: EC2, Lambda	Storage Services: S3	Database Services: RDS, DynamoDB	Content Delivery: API Gateway, CloudFront, Route 53]
Tools:	Visual Studio, Visual Studio Code, Eclipse, PyCharm, SQL Server, MySQL Workbench, Toad, Microsoft Team Foundation Server, Jira, GitHub, Tortoise SVN, Git Dell Boomi Atomsphere, Boomi Flow, Amazon Web Services Console
Databases:	MySQL, SQL, PL/SQL, NoSQL, MongoDB
Frameworks:	.Net 4.5, ASP.Net MVC, ASP.Net Web API, ADO.Net, Entity Framework

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WORK EXPERIENCE:

University of North Carolina at Charlotte   **APRIL 2019 – AUGUST 2019**

Graduate Research Assistant

- Collaborated with professor and team to design the responsive User Interface maximizing usability.
- Launched Amazon Web Service Instance and Deployed Node JS application on EC2 Instance for service to be accessed 24/7.
- Constructed APIs to get data from the server as well as Amazon Web Services Instance and represent the data on User Interface.

Persistent System Limited, Pune, India   **JANUARY 2017 - NOVEMBER 2018**

Software Engineer

- Engineered customer web application portal that simplified dashboards used by senior management for appraisals of employees.
- Designed, Developed and Implemented workflows and integration process that addressed complex business problems.
- Deployed builds on local and customer environments by publishing the website on servers.
- Automated image optimization, using grunt and minified JS and CSS, which reduced page load times by up to 25%.

PROJECTS:

Student Onboarding System [Android Application]   **OCTOBER 2019 – DECEMBER 2019**

- Incorporated Push Notification with Pusher Beam API, Tab Menus, Recycler Views to improve user experience.
- Structured and connected application in 3 layers with NodeJS API, MongoDB database and Android.

Entrance Test Management System [AWS, AngularJS Web Application]   **AUGUST 2019 – OCTOBER 2019**

- Programmed Lambda functions and connected with API Gateway to Publish as the REST Endpoint API.
- Built Angular Components and Services that serves business logic, integrated Chart JS for graphical representation of data.
- Generated Angular production build and deployed on S3 and published the site through CloudFront to target 80% of the users.

Line and Area Coverage for Drones [NodeJS Web Application]   **APRIL 2019 - AUGUST 2019**

- Explored Google Maps API to make interactive map with customized animated markers and polylines to map drone path.
- Formed JSON files corresponding to co-ordinates on map obtaining 90% accuracy.
- Connected MongoDB and Node JS to store and retrieve data to represent on User Interface.

Performance Management System [.Net Web Application]   **MAY 2018 - NOVEMBER 2018**

- Enlisted requirements and proposed workflows that helped in solving customer problem for filing petitions in the system.
- Devised interactive dashboards using jQuery and Ajax, wrote C# and Web API functions to transform and fetch data from database.
- Executed MySQL procedures, functions to fetch the relevant employee data from tables, implemented triggers and sequences.

CERTIFICATIONS AND ACHIEVEMENT

- Dell Boomi Professional - Architect   **APRIL 2018**
- High Five Award   **JANUARY 2018**
- Certified Professional - .Net Technology   **JUNE 2015**
- Headed the publicity team for student cultural fest and volunteered for various tree plantation drives in organization.