

# Sheetal Patil

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## EDUCATION

**University of North Carolina at Charlotte, Charlotte, NC**

**Jan 2019 - May 2020**

Master of Science in Computer Science

4.0 GPA

**University of Mumbai, Maharashtra, India**

**Jul 2012 - May 2016**

Bachelor of Engineering in Information Technology

7.64 GPA

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## TECHNICAL SKILLS

### Languages

JavaScript (ES6), Java, C#, Python

### Databases

MongoDB, MySQL, Firebase

### Tools

Android Studio, Adobe XD, Figma, Jira, Postman, Git

### Front End

AngularJS, ReactJS, TypeScript, HTML5, CSS3, SCSS, Webpack, jQuery, Ajax

### Back End

Node.js, Express.js, ASP.Net MVC, RESTful API

### Cloud

Amazon Web Services [ EC2, Lambda, S3, RDS, API Gateway, CloudFront, Route 53]

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## WORK EXPERIENCE

**Graduate Research Assistant, University of North Carolina at Charlotte**

**Apr 2019 - Aug 2019**

- 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.

**Software Engineer, Persistent System Limited, Pune, India**

**Jan 2017 - Nov 2018**

- 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%.

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## PROJECTS

**Student Onboarding System [Android Application]**

**Oct 2019 - Dec 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]**

**Aug 2019 - Oct 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]**

**Apr 2019 - Aug 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 - Nov 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.

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## CERTIFICATIONS AND ACHIEVEMENT

- High Five Award
- Certified Professional - .Net Technology
- Headed the publicity team for student cultural fest and volunteered for various tree plantation drives in organization.

**Jan 2018**

**Jun 2015**