

# Nishant Chettri

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Portfolio: <http://nishantchettri.github.io>

## SUMMARY

Over 4 years of experience as a Software Developer involving regular collaboration with clients to produce useful deliverables. Intent on excelling and accepting challenges, learning new technologies, and working with talented mentors and colleagues.

## PROFESSIONAL EXPERIENCE

**Software Developer**, Aureus Tech Systems, Centennial, CO

**September 2018 – Present**

- Led scrum teams in full-stack web application development using Angular 7, Typescript, Storybook, .NET Core 2.2, and Entity Framework for Imagine Telecommunications successfully delivering component increments on a bi-weekly basis
- Migrated legacy web application to a fresh and efficient web application integrating Angular 4, DevExtreme and .NET MVC Framework for Imagine Telecommunications

**Software Developer Intern**, Aureus Tech Systems, Centennial, CO

**March 2018 – September 2018**

- Reduced Forbes Law Group's labor expense by over 150 hours per 100 cases by operating in a fully automated, 100% server-less Azure environment with enhanced ability to monitor, manage, and share real time data across client locations in a secure and confidential format, which was implemented using AngularJS and ASP.NET
- Delivered a spectral data collection hybrid mobile application (Android, UWP) using Ionic and AngularJS to ASD Panalytical expediting previous log-based processes

**Graduate Research Assistant**, University of Missouri, Columbia, MO

**September 2015 – September 2017**

- Delivered Creel Survey Data Management Application (CSDMA) to Missouri Department of Conservation (MDC) for conducting on-site survey data collection via iPads
- Architected and integrated a web application with CSDMA using Object-Oriented PHP, and a normalized MySQL database on an Amazon EC2 instance, expediting data verification process for MDC by 15-20 hours every month

**Java Web Developer**, Third Pole Connects, Kathmandu, Nepal

**November 2013 – November 2014**

- Configured, programmed and deployed multiple Enterprise Resource Planning (ERP) modules. Contributed in increasing the Lead Module's deployment efficiency by 30%
- Effectively led frontend and backend development for Report Generator module, deploying queries as reports through the user interface; and Mass Communication module, sending simultaneous text messages to large number of faculty and students

## SKILLS

**Languages:** Angular 7, Typescript, C#, .NET Core 2.x, AngularJS, PHP, Java

**Databases:** SQL Server, T-SQL (Stored Procedures), MySQL, SQLite, Firebase, Oracle

**Web Development:** HTML5, Javascript, jQuery/Ajax, CSS 3 – Bootstrap and Materialize, Storybook UI, DevExpress Controls

**Mobile Development:** Apache Cordova/Phonegap, Ionic, Android

**Related Technologies:** Azure Web Services, Azure DevOps, Git, Jira, NPM, RESTful Services, Amazon Web Services

## EDUCATION

**University of Missouri**, Columbia, MO

**September 2015 - December 2017**

- MS in Computer Science. Coursework included Cloud Computing (Cyber Security), Big Data, Database Management Systems, Artificial Intelligence. *Papers and project details available on my website*

**London Metropolitan University (Islington College)**, Kathmandu, Nepal

**September 2010 – November 2013**

- BS in Computing. Coursework included Web Development, Java, C, Advanced Database Management Systems, Operating Systems. *Project details available on my website*

## PROJECTS

**Dolus: Cyber Defense using Pretense against DDoS Attacks in Cloud Platforms**

**March 2017 – December 2017**

- Devised a DDoS and APT attack detection, identification, and management web dashboard hosted on a GENI network to control the flow of network and provide real-time access to data with integrated RESTful services to blacklist suspicious IP addresses through the UI

## PUBLICATIONS

- Neupane, R.L., Neely, T., Chettri, N., Vassell, M., Zhang, Y., Calyam, P., Ramakrishnan, D. (2018) "Dolus: Cyber Defense using Pretense against DDoS Attacks in Cloud Platforms" ICDCN, 2018