# Satwik Hosamani

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## EDUCATION

**Syracuse University -** College of Engineering & Computer Science, Syracuse, NY          August 2019 - May 2021
Master of Science in Computer Science
   • Courses: Design and Analysis of Algorithms, Structured Programming and Formal Methods, Computer Architecture, Operating Systems, Data Mining, Data Science and Object Oriented Design

**Visvesvaraya Technological University -** Vidyavardhaka College of Engineering, Mysore,          August 2014 - June 2018
India
Bachelor of Engineering in Computer Science
   • Courses: Computer Programming (C++, Java), Data Structures and Algorithms, Object Oriented Design, Database Management Systems, Cloud Computing

## SKILLS

   • Programming: Java, Python, C++, C
   • Frame Works: Spring, Spring Boot, Hibernate
   • Web Technologies: JSP, HTTP, REST, HTML5, CSS3, Bootstrap, JSON
   • Database and Storage: MongoDB, MySQL, Oracle 10G

## EXPERIENCE

**Software Developer Intern,** Netchronix – Bengaluru, India          August 2018 - May 2019
   • Managed to redesign and revamp a web-based application for an insurance company with a userbase of more than 6000
   • Was Part of a 3-member backend development team, built more than 20 applications utilizing Spring Rest and worked on getting various versions of applications deployed as per schedule
   • Performed server admin activities ensuring seamless availability of service thereby achieving a 15% higher customer retention rate

**Software Engineer Intern,** Juggle Enterprise – Mysore, India          March 2017 - December 2017
   • Was responsible for building and managing efficient and maintainable web applications according to objectives and needs of more than 10 clients all over state
   • Created spring-based applications mainly working on Spring Data, Integration and REST
   • Devised POJO centric models to interact with the MongoDB database

## PROJECT

**University Guide**          December 2019 - March 2020
   • Designed and developed a forum that gives new aspirants a platform to discuss, clarify and gain information
   • Developed backend system for application which involved Spring REST, Spring MVC design pattern in presentation tier for all essential control flow for communicating with business logic layer
   • Utilized Hibernate framework for data persistence, involved in creating Hibernate POJO objects and mapping using Hibernate annotations that involved concepts of JPA
   • Built RESTful Web services which was consumed by REACT JS front end

**Sentiment Analysis of Article 370 using K-means clustering**          October 2019 - November 2019
   • Mined data for fetching popular tags in recent year by implementing an algorithm based on K nearest neighbor on the Article 370 dataset
   • Used Twitter APIs to fetch trending tweets to analyze the results of the abrogation of the Article 370

**Mobile Palace**          May 2017 - August 2017
   • Designed and developed a web-based Java application for a mobile phone retailer called Mobile Palace
   • Actively participated in design brainstorming, requirement analysis, development, code review, development of test cases and demonstrated excellent service in handling customer site support and Test team queries
   • Incorporated JavaScript dynamics in the Ecommerce application to perform front end form validation and UI/UX optimization