

# SUMEET SANTOSH BHADALE

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## EDUCATION

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- University of South Florida**, Tampa, FL | M.S Computer Science | College of Engineering Aug. 2019 - May 2021  
**Coursework** : Cloud Computing for IT, Algorithms, Advanced Databases, Computer Graphics, **GPA : 3.92 / 4.00**  
Biometric Authentication, Artificial Intelligence, Machine Learning, Operating Systems, Computer Architecture, CUDA.
- University of Pune**, Pune, India | B.Tech in Computer Engineering | Vishwakarma Institute of Technology Aug. 2013 - May 2017  
**Relevant Coursework** : Software Engineering, Artificial Intelligence, MongoDB, Adv. Data Structures, **GPA : 3.80 / 4.00**  
Python, Machine Learning, Database Management Systems.

## SKILLS & CERTIFICATIONS

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- Python, Java, C++, C#, React.js, Angular.js, Node.js, JavaScript, ASP.NET, Flask, REST, Redis, MongoDB, MySQL, SQL, Git, Linux, AWS, GCS, BigQuery, Firebase, Jira, Google Collab, Jenkins, GCS API, Google Drive API, Spotify API.

## WORK EXPERIENCE

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- Cache Creative Data Solutions** *Chicago, Illinois | Development Intern* June 2020 - Aug 2020
- Migrated all the existing angular components of the web-portal from Angular 7 to work with the latest release of Angular 9 to speedup rendering by 2X , reduce dependencies and optimize the performance by 3X.
  - Developed a generic filter child component to refactor and remove the existing redundant filter functionality in 10+ parent components. Established two directional inter-component data sharing between the parent and child components using @Input Decorator, ViewChild and @Output Decorator along with Output Emitter for achieving faster and responsive site loads.
  - Created a generic angular table component to dynamically create tables by fetching sales report data in the form of 100K+ json objects from a client api endpoint named DDEX and render it on the site portal.
  - Spearheaded a team of 2 colleagues as a sprint captain to build an end to end data extraction and transformation pipeline in order to normalize data in sales reports and add them to a google cloud data warehouse (Big Query)
- Bentley Systems Inc.** *Pune, India | Associate Software Engineer* Jan 2018 - July 2019
- Built a WPF application using MVVM pattern in C# for a 3D model design software used by 100K+ mechanical engineers. This reduced the overall design time of a 3d model by 50%.
  - Setup and configured a CI/CD pipeline from scratch using open source Jenkins to ensure 1200 test cases ran on scheduled nightly builds reducing the average turn around time by 70% for a C++ desktop application.
  - Developed 10+ client specific features using ReactJS and Redux to contextualize, validate and visualize raw engineering data from the process (manufacturing) plants into a cloud-enabled web portal.
  - Built an automation tool using C# and LINQ to bulk import 200k + users data, 10K assets data and inspection report data of those assets into SQL, Oracle databases for Inspecttech(SaaS) website.
- Perennial Systems Pvt. Ltd.** *Pune, India | Software Engineer Intern* Jan 2017 - May 2017
- HRM System : Developed over 40+ features on complete Linux, Apache, MySQL and PHP stack along with integrated test cases and optimal run time configuration for an employment leave module of an existing human resource system used by 100+ employees.

## PROJECTS

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- Cryptocurrency Analysis Platform** | [Platform Link](#)
- Developed a platform for potential users to receive live cryptocurrency prices, perform per coin analysis, maintain their own portfolio and get latest news of about 2000 currencies.
  - Integrated Trading View Charting feature to perform technical analysis of more than 100+ currencies.
  - Consumed Crypto-compare API's and implemented Facebook and Google OAuth for authenticating users.
- Technology Stack:** ReactJS, Material UI, NodeJS, SQL, Sequelize ORM, OAuth2, Express
- Track Sentiments** | Data Analytics, Web Development | [Platform Link](#)
- Web Scraped Amazon Website to extract details about a variety of product/seller/reviews.
  - Stored the records in MongoDB and exposed them via a RESTful API built using Flask.
  - Created insightful seller dashboards for the users using React JS consuming those API's.
  - Also used Redis to integrate caching which reduced the reload time by 80% while revisiting a seller profile.
  - Provided summaries for reviews in the form of top words using TF-IDF and built dashboard to display KPIs and other informative data for better product analysis and visualization.
- Technology Stack:** React.js, Node.js, Python, Flask, Scrapy, Redis, MongoDB, Docker