

# CHANDAN NAGARAJ NAIK

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## EDUCATION

<b>University of Colorado, Boulder</b> M.S Computer Science <i>GPA: 3.66/4</i>	Boulder, Colorado Aug 2018 - May 2020
<b>B.M.S College of Engineering</b> B.E Information Science and Engineering <i>GPA: 8.54/10</i>	Bangalore, Karnataka Aug 2011 - May 2015

## EXPERIENCE

<b>University of Colorado Boulder</b> <i>Teaching Assistant</i> <ul style="list-style-type: none"><li>Was a Teaching Assistant under Dr. Albert Timothy Chamillard where I trained 55 students in game development using C# and Unity.</li><li>At present working as a Teaching Assistant where I'm teaching the basics of computer programming using C++ to 50 students.</li></ul>	Boulder, Colorado Jan 2019   Present
<b>Autodesk Inc</b> <i>Software Development, Intern</i> <ul style="list-style-type: none"><li>Implemented a model for data collection from FormIt and Revit Add-In with the help of Google Analytics.</li><li>Restructured the existing data flow pipeline with Strategy design pattern for performance and features coverage.</li><li>The development was done in an Agile environment and Git was used for version controlling.</li></ul>	Boulder, Colorado May 2019   Aug 2019
<b>Scientific Games India Pvt Ltd</b> <i>Associate Software Engineer</i> <ul style="list-style-type: none"><li>Worked on the development of various web application which used RESTful-web services.</li><li>Developed backend using microservices architecture.</li><li>Demonstrated coding proficiency in C# and JavaScript by improving the application performance. Also increased the test coverage from 16% to 65%.</li><li>Skills developed/utilized: HTML, CSS, JavaScript, MVC, MS SQL Server, Agile software development was followed, Perforce and JIRA was used for version controlling and bug reporting.</li></ul>	Bangalore, Karnataka July 2015   April 2018

## SKILLS

Programming Languages: C++, Java, C#, SQL, JavaScript, Python  
Frameworks and Toolkits: Numpy, Scikit-learn, Pandas, Docker, d3.js, Tableau, Hadoop, AWS(EC2), Docker, Google Analytics, Tableau

## PROJECTS

- Flickr Image Search (Python, MongoDB, Docker, Resnet):** A web-based image search application which tags and finds similar images with the help of Flickr Api and a pre-trained Resnet. 🐙 [Demo](#), [GitHub](#).
- Exploring Multi-agent Co-operation in Simulation (Python, C#, Unity):** A disaster simulation application with multi agents learning the rescue task using Reinforcement Learning. The user can see and analyse the situation in a VR environment. 🐙 [Demo](#)
- Hotel Review Sentiment Analysis (Python, Numpy, NLP):** A hotel review sentiment classifier system built using python and logistic regression for classification with Cross Entropy as the loss function. 🐙 [GitHub](#).
- Navisys (Java, Android, Python, C++, OpenCV):** An embedded system fitted into a jacket that provides turn-by-turn navigation with human and obstacle detection to the visually impaired. 🐙 [Synopsis Video](#).

## AWARDS

**Best Start-Up Idea Entrepreneurship Development Cell, May 2015**  
"Navigation System for Visually Impaired" project was recognised by the Entrepreneurship Development Cell as the start-up idea.

**Best Research Project**  
"Navigation System for Visually Impaired" was awarded as the best Best Research Project at IEEE International Advance Computing Conference 2015, held at B.M.S College of Engineering. The project was also featured in the local 🐙 [newspaper](#) for its inventive approach of implementation.