SANDEEP D HEGDE

919-771-6338 | sdhegde@ncsu.edu | Raleigh, NC 27606
linkedin.com/in/dsandeephegde | github.com/dsandeephegde

Computer science graduate student seeking internship opportunity.

EDUCATION

NORTH CAROLINA STATE UNIVERSITY   Raleigh, USA
Master of Computer Science 3.44/4.0   Aug '17 – Dec '18

- Relevant Courses: Algorithms, Foundations of Data Science, Artificial Intelligence, Object Oriented Design and Development DBMS, Advanced Data Structures

VISVESVARAYA TECHNOLOGICAL UNIVERSITY   Bangalore, India
Bachelor of Engineering in Computer Science 78/100   Sept '11 – June '15

- Won the 2nd prize in Android Mobile Application contest conducted by Computer Society of India for an android project.
- Honored as Best Outgoing Student of the batch in computer science department for project work.
- Secretary in Aikya Club (Computer Science department) for organizing cultural and technical festivals at college.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: Java, JavaScript, Ruby, C#, C++, PL/SQL, Python, R
FRAMEWORKS: Angular, Ruby on Rails, ASP.NET
DATABASES: SQL Server, PostgreSQL, MySQL, Oracle
DEVOPS: CI/CD, Ansible, Docker

WORK EXPERIENCE

THOUGHTWORKS   Bangalore, India
Application Developer   Aug '15 - July '17

- Developed software applications using Agile software development practices such as Test-Driven Development, Pair Programming, Continuous Integration, and Continuous Delivery.
- Portfolio Management Application
  - Developed responsive web and mobile applications (iOS and Android) along with backend REST services.
  - Automated the deployment process and optimized the time to deploy which ensured reliable deployment.
- Asset Management Platform
  - Designed and developed the asset management platform using Node.js for the Kroger web applications.
  - Used GIT to store and version the assets and deployed the asset repository using Docker.
- Car-Pooling Application
  - Developed application to match cab mates and to provide the best route to travel using Ruby on Rails.
  - Used Okta for authentication and Go-CD for Continuous Delivery of the project.

IBM ISL (India Software Labs)   Bangalore, India
Application Developer – Intern   Jan '15 - July '15

- Developed difference editor for Rational Team Concert (RTC) Visual Studio client.
- Designed and implemented theme adaptable widgets for RTC Visual Studio client using WPF and C#.

ACADEMIC PROJECTS

Open Source Software: Mozilla Servo   Oct '17 - Dec '17

- Implemented mutation testing framework to evaluate quality of web platform tests using Python.
- Automated various mutation strategies to produce bugs in source code.
- Introduced test mapping framework to efficiently run tests against the mutants.

Application for Karnataka State Fire and Emergency Services   Apr '14 - Oct '14

- Remodeled the unstructured and real-time data from fire department for facilitating data analysis and data visualization.
- Devised a web application to visualize fire hazard pattern for aiding the personnel in effective deployment of services.

Online Teacher's Appraisal System   July '13 - Nov '13

- Developed ASP.NET web application for conducting and compiling the appraisals along with generating rating-report for the faculty of the college.
- Designed generic college database compatible with various college applications using SQL server.

Android Application for Visually Impaired   Feb '13 - Apr '13

- Created visually impaired-friendly controls to access basic functionalities of the Android phone.
- Developed text-to-speech and speech-to-text synthesizers for input and output operation.