

# BHARGAVI NADENDLA

Kansas City, MO | P: +1 (913) 490-8583 | Email: [bhargavinadendla@gmail.com](mailto:bhargavinadendla@gmail.com)

Website: <https://bhargavinadendla.github.io/> | LinkedIn: [www.linkedin.com/in/bhargavinadendla](http://www.linkedin.com/in/bhargavinadendla)

---

## SUMMARY

Graduate student with over two years of professional and academic experience in design, development, and testing of software. Highly skilled in developing scalable, user-friendly and high-quality applications. Detail-oriented, well-organized and an enthusiastic team player.

---

## EXPERIENCE

### Software Engineer Intern

Open Learning Exchange, Cambridge, MA

Jun 2018 – Dec 2018

Technologies: Angular, TypeScript, Apache CouchDB, Vagrant, Docker, Agile (Scrum), HTML5, CSS3

- Developed an offline first generic e-learning system to manage learning content among communities
- Built the user interface of the Single Page Application with Angular Material and Typescript
- Used CouchDB for offline data storage, synchronization and building the REST API
- Participated in the Continuous Delivery process to support building of Docker Images
- Followed Agile methodology practices that involved scrum meetings and bi-weekly sprint review
- Implemented using Git for version control and Travis CI for Continuous Integration

### Graduate Teaching Assistant

University of Missouri-Kansas City, MO

Jan 2018 – Present

Technologies: Java, Python, Angular, Node.js, MongoDB, Express, Android, Ionic, Karma, Jasmine, Git

- Designed and developed tutorials for graduate level courses CS5551 Advanced Software Engineering, CS5590/01 Web/Cloud/Mobile programming, CS5590/02 Python & Deep Learning
- Developed full stack web, mobile applications and conducted hands-on sessions to demonstrate use-cases

### Software Developer

Incrivel Software Solutions, Hyderabad

Jan 2016 – Dec 2016

Technologies: Java, Spring Boot, Hibernate, MySQL, Maven, REST Web services, Agile (Scrum), Tomcat, JIRA

- Involved in complete project life cycle design, development, implementation, integration, and validation
  - Used Spring Boot for developing RESTful web services and Spring based application
  - Implemented MVC architecture with Spring boot and Object Relational Mapping (ORM) in the persistence layer with Hibernate to map the relationship between tables and entity classes
  - Used JWT to implement Single sign-on for handling user sessions and Spring AOP for logging, transactions
  - Worked on core Java, collections framework and object-oriented concepts like Abstraction, Encapsulation, Custom Exception Handling, etc.
- 

## EDUCATION

University of Missouri-Kansas City, MO

May 2019

Master of Science in Computer Science | GPA: 3.7/4.0

Thesis: (Advisor: Dr. Yugyung Lee) Intelligent Hearing System with Android and Deep Learning

Jawaharlal Nehru Technological University, Kakinada, India

May 2016

Bachelor of Technology in Computer Science | GPA: 3.7/4.0

---

## TECHNICAL SKILLS

- **Programming and Scripting Languages:** Java, Python, JavaScript, TypeScript
  - **Databases:** MySQL, Oracle, SQL Server, Firebase, MongoDB, CouchDB
  - **Mobile Development:** Android, Ionic
  - **Web Technologies and Frameworks:** Spring Boot, Spring MVC, Hibernate, Angular, Angular JS, Node.js, Express JS, HTML 5, CSS 3, Bootstrap, Junit, Karma, Jasmine, Agile, Scrum, Apache Spark
  - **Machine Learning Libraries:** Tensorflow, Keras, Scikit Learn, Numpy, Matplotlib
  - **Tools:** Git, Maven, Gradle, JIRA, Jenkins, Android Studio, WebStorm, IntelliJ, Eclipse, Visual studio, Anaconda
- 

## PROJECTS

GitHub: <https://github.com/BhargaviNadendla>

### Intelligent Hearing System (Thesis)

**Aug 2018 - Present**

- Developed an Android application for physically challenged to provide a smart hearing aid
  - Records the audio around the user, extract features and provide necessary information in the form of text and images
- Technologies: Java, Android, Apache Spark, Deep Learning

### PLANET Learning

**Jun 2018 – Dec 2018**

- It is a repository of public domain resources to improve secondary education among nations & communities
  - Provides each learner with a personal dashboard that holds multi-media resources, courses enrolled, etc.
- Technologies: Angular, CouchDB, Docker, Vagrant

### IBM Log Analytics (Hackathon Fall 2018 Winner)

**Nov 2018**

- Applied NLP techniques for pre-processing one million real-time logs and employed regex to clean them
  - Used topic modeling to visualize clusters of logs and RNN to predict the occurrence of errors in advance
- Technologies: Python, Natural Language Processing, Semantic topic modeling

### Community Connect Forum

**Jan 2019– Mar 2019**

- Online discussion forum for communities featuring questions and answers on a range of topics
- Technologies: Java, Spring Boot, Hibernate, MySQL, JWT, Spring Security

### Get on Wheels

**Jan 2019 – Apr 2018**

- A Hybrid application that is a one-stop source for places of interests like restaurants, malls, movies, etc.
  - Allows the user to find the nearest parking lot available and reserve it.
- Technologies: Ionic 3, Angular 4, Node.js, Firebase, SMTP by Firebase, REST APIs

### Twitter Analysis for Big Data

**Aug 2017- Dec 2017**

- Processed unstructured tweets on movies and found insights by querying the data with Spark SQL, Spark RDDs and visualizing its analytics
- Technologies: Java, Apache Spark, Twitter Streaming API, HDFS
- 

## ACHIEVEMENTS

- Honorary Award in Hackathon Fall 2018 for working on IBM Log Analytics use case
- Dean's International Scholarship Award, University of Missouri-Kansas City
- "GetOnWheels" was chosen as the second-best project in Advanced Software Engineering course