








# ABHINAV RAM KOLA

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## EXPERIENCE

### Web development Intern

#### DineSmart Pvt. Ltd

 Apr 2018 – Jun 2018     Hyderabad, India

- Developed a responsive webpage for DineSmart.
- Ensured the adaptability of website on all platforms.
- Took the responsibility of updating the webpage on a daily basis along with its maintenance.
- Tech Stack used: HTML, CSS, JavaScript, WordPress.

## PROJECTS

### Master Thesis- – “Customer Communication Challenges in Agile Requirements Engineering”.

#### Blekinge institute of technology

 Jan 2020- present     Sweden

- Conducted research to investigate, mitigate and prioritize the challenges that arise during customer communication in an Agile Requirements engineering process.
- Role Played: Research, Documentation.
- Tech Stack used: Overleaf, Scientific Databases.

### Theme Recommender system using JavaScript.

#### Blekinge institute of technology

 Apr 2019 – Jul 2019     Sweden

- Developed a theme recommender from scratch that recommends themes based on user's ratings for a given theme. The user is given random themes to rate and based on his rating; a personalized set of themes are shown. The user can rate the subsequent set of themes to improve personalization.
- Role played: Full Stack Developer.
- Tech Stack used: HTML5, CSS, JavaScript, Python, P5.js IDE

### Analyzed Usability and Interaction design of a web application.

#### Blekinge institute of technology

 Jan 2019 – March 2019     Sweden

- Analyzed a User interactive design and listed and reported the shortcomings adhering to UX guidelines.
- The analysis is performed on an Indian railway website which is used by a huge traffic on a daily basis.
- Built many test cases to check how it performs on different conditions.
- Evaluated all the functionalities of the web site, the user interaction performance and reported the shortcomings and improvements following the UX guidelines.

## PROFESSIONAL SKILLS

JavaScript  
HTML  
CSS  
WordPress  
Python  
SQL  
Kubernetes



## ADDITIONAL SKILLS

Google Analytics    Ethical hacking  
Penetration Testing

## STRENGTHS

### • Development

JavaScript    Python    SQL    HTML/CSS  
ReactJS    AngularJs    Bootstarp  
WordPress    Git

### • Development Tools – DB

SQL    SQLAlchemy    Flask  
PostgreSQL

### • Development Tools – IDE

Visual Studio    IntelliJ    Eclipse  
Pycharm    Jupyter    Kali Linux  
Wireshark    OWASP    Burp Suite

## EDUCATION


### Master's in Software engineering

#### Blekinge Institute of Technology

 January 2019- present

### Bachelor's in computer science

#### Jawaharlal Nehru Technological University ,Hyderabad (JNTUH)

 Aug 2015 – Dec 2018

## LANGUAGES

English  
Hindi  
Telugu  
Swedish



# PROJECTS

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Personal Website.

## Resume

📅 Apr 2020

📍 Sweden

- Developed a personal website that displays professional and personal information about me.
- Tech Stack used: JavaScript, HTML, CSS, Bootstrap.

Heart Disease Detection using Deep Learning.

## Jawaharlal Nehru Technological University (JNTU)

📅 Aug 2018 - Dec 2018

📍 India

- Developed a system that detects heart diseases based on the patient's medical history. Applied SVM and KNN machine learning on a medical dataset. The tool detects heart diseases of patients based on the medical history. This is done using two machine learning classifiers that predicts the heart disease based on the accuracy and draws a comparison between SVM and KNN based on accuracy and prediction time.
- Role played: Developer
- Tech Stack used: Python, PyQt5, PyCharm IDE, Overleaf

Software Quality Evaluation for 11 versions of the tool

“jEdit”.

## Blekinge institute of technology

📅 Apr 2019 – Jul 2019

📍 Sweden

- Applied tools like “UNDERSTAND” and “METRIC RELOADED” to find metrics for each package of jEdit, using GQM framework. Determined modules that are difficult to maintain, present in the jEdit software over its 11 versions which were developed over time. Implemented the GQM approach with supporting metrics and questions on which quantitative analysis has been made to estimate this Software Quality.
- Role played: Data analysis and Visualization.
- Tech Stack used: R programming, IntelliJ, Microsoft Excel

Testing and Maintenance of the tool ‘INCEPTION’.

## Blekinge institute of technology

📅 Sep 2019 - Nov 2019

📍 Sweden

- Refactored the code and improved its performance and documented the results. To find bugs, code smells, errors in the INCEption tool open source code analyzer tools like sonarqube and sonar cloud were used. By using these tools bugs and codesmells were found. Refactoring of code is done to overcome these code smells to increase the maintainability and quality of the code
- Tech Stack used: Sonar Cloud, Sonar Qube, Java, OverLeaf

Penetration testing on 100+ web applications to find

OWASP bugs.

## Jawaharlal Nehru Technological University (JNTU)

📅 Jan 2018 – Apr 2018

📍 India

- Performed penetration testing on random web applications to find vulnerabilities and bugs and reported these bugs.
- Role Played: Penetration tester.
- Tech Stack used: Burp Suite, Scripting.

# AWARDS

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Awarded Merit Scholarship.

## Blekinge institute of technology

📅 Aug 2019

📍 Sweden

# CERTIFICATES

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Complete Python Bootcamp: Go from Zero to Hero in Python3

## Udemy

📅 March 2020 – No Expiration Date

Agile Project Management - The PMI-ACP (Agile Certified Practitioner) Certification Program

## Udemy

📅 March 2020 – No Expiration Date

Google Analytics for Beginners

## Google Analytics Academy

📅 March 2019 - March 2022

Advanced Google Analytics

## Google Analytics Academy

📅 March 2019 - March 2022

# ACTIVITIES

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Gender Sensitization Coordinator.

## JNTU Hyderabad

📅 Nov 2015 – Dec 2015

Internet of things (IoT) workshop coordinator.

## JNTU Hyderabad

📅 Nov 2017

Creative Coordinator Event Coordinator at JNTU TechFest – 2k18

## JNTU Hyderabad

📅 May 2018

Member of BTH kids.

## Blekinge institute of technology

📅 Sep 2019