

# ABHINAV RAM KOLA

Masters student in software engineering  
Blekinge Institute of Technology

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## Summary

- Experienced with Agile and Lean methodologies.
  - Experienced in software development and project management and maintenance through various academic projects.
  - Capable to perform data analysis and data collection.
  - Trained to perform Ethical hacking and Penetration testing.
  - Intern at DineSmart Information Technology & Services.
  - Quick Learner and a Cross – culture team player. Self – driven individual who prioritizes punctuality.
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## Work Experience

- **Product Management Intern**

*DineSmart Pvt. Ltd*

Apr 2018 – Jun 2018

- Managed the inventory and tracked client orders at DineSmart, that were placed through its online interface.
- Persuaded and Established trust with the clients and Increased sales by 2%.

## Projects

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

Feb 2020\*

- Role Played: Research, Documentation.
- Tech Stack used: Overleaf, Scientific Databases.

- **Testing and Maintenance of the tool ‘INCEPTION’**

Sep 2019 - Nov 2019

- Refactored the code and improved its performance and documented the results.
- Tech Stack used: Sonar Cloud, Sonar Qube, OverLeaf.

- **Software Quality Evaluation for 11 versions of the tool “jEdit”**

Apr 2019 – Jul 2019

- Applied tools like “UNDERSTAND” and “METRIC RELOADED” to find metrics for each package of jEdit, using GQM framework.
- Role played: Data analysis and Visualization.
- Tech Stack used: R programming, IntelliJ, Microsoft Excel.

- **Theme Recommender system using Deep Learning**

Apr 2019 – Jul 2019

- Developed a system that recommends themes based on user’s ratings for a given theme.
- Role played: Developer.
- Tech Stack used: JavaScript, P5.js IDE.

- **Heart Disease Detection using Deep Learning**

Aug 2018 - Dec 2018

- Developed a system that detects heart diseases based on the patient’s medical history.
- Applied SVM and KNN machine learning classifiers and drew a comparison based on accuracy.
- Role played: Developer and Documenter.
- Tech Stack used: Python, PyQt5, PyCharm IDE, Overleaf.

- **Application Development using Agile and Lean Methodologies**

Sep 2019 – Nov 2019

- Established, Managed and tracked the workflow throughout the development process.
- Role played: SCRUM master.

- **Research on task allocation and communication challenges in global software development using Agile methodologies.**

Jan 2019-March 2019

- Role played: Research, documentation.
- Tech Stack used: OverLeaf, Scopus, IEEE, AMD, Google Scholar.

- **Penetration testing on 100+ web applications to find OWASP bugs.**

Jan 2018 – Apr 2018

- Role Played: Penetration tester.
- Tech Stack used: Burp Suite, Scripting.

## Education

- Master's in Software engineering, Blekinge Institute of technology. Jan 2019\*
- Bachelors, Jawaharlal Nehru Technological University (JNTU) Aug 2015 – Dec 2019  
Computer Science.

## Courses & Technical Skills

- **Relevant Coursework**
  - Research methodology, Agile and lean software development, Global software development, Evolution and maintenance of software, Software metrics, Software project management, Software Testing methodologies, Software quality assurance and testing, Software requirements and estimation, Software design and engineering, Usability and interaction design, Advanced Data Structures, Design Analysis of Algorithms, Decision Support Systems.
- **Technical Skills**
  - Proficiency: Python, JavaScript, HTML, CSS, SQL ,R programming, Data analysis.
  - Tools: AngularJS, Vue.js, PyQt5, Burp suite, TensorFlow, Overleaf, PyCharm IDE, Sonar Qube, Sonar Cloud, Microsoft Excel, IntelliJ, UNDERSTAND, METRIC RELOADED.

## Achievements

- **Awarded BTH merit scholarship.** August 2019
- Selected to participate PDRL innovation challenge, 2019 Sep 2019
  - Worked on end-to-end ideation, designing and implementation of the idea.

## Certifications

- Complete Python Bootcamp: Go from Zero to Hero in Python3 March 2020
- Agile Project Management - The PMI-ACP (Agile Certified Practitioner) Certification Program March 2020
- Introduction to Cloud Computing Feb 2020

## Extracurricular activities

- **Gender Sensitization Coordinator, JNTU Hyderabad** Nov 2015 – Dec 2015
  - Coordinated an event that introduced a course for all JNTU affiliated colleges.
- **Internet of things (IoT) workshop coordinator, JNTU Hyderabad** Nov 2017
- **Creative Coordinator & Event Coordinator at JNTU TechFest – 2k18** May 2018
- **Member of BTH kids, Blekinge institute of technology** Sep 2019

## Languages

**English, Hindi, Telugu** – Native/Bilingual Proficiency.  
**Swedish** – Elementary Proficiency.