ABHINAV RAM KOLA

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EXPERIENCE

Product 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, Bootstrap.

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..

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

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

PROFESSIONAL SKILLS

JavaScript ●●●●●○
Python   ●●●●●○
HTML/CSS   ●●●●●○
C   ●●●●●○
SQL   ●●●●○○
Docker   ●●●○○○
Kubernetes ●●○○○

ADDITIONAL SKILLS

Ethical hacking   Penetration Testing

STRENGTHS

- Development

JavaScript   Python   SQL   HTML/CSS
ReactJS   Git

- Development Tools – DB

SQL   SQLAlchemy   Flask
PostgreSQL

- Development Tools – IDE

Visual Studio   IntelliJ   Eclipse
Pycharm   Jupyter   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   ●●○○○

AWARDS

- Awarded BTH merit scholarship. August 2019

PROJECTS

Theme Recommender system using Deep Learning.

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

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

Cancer detection software development using Agile and Lean Methodologies

Blekinge institute of technology

📅 Sep 2019 – Nov 2019   📍 Sweden

- Established, Managed and tracked the workflow throughout the development process.
- Role played: SCRUM master.
- Tech Stack used: Python, Overleaf, Agile methodologies.

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.

CERTIFICATES

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

ACTIVITIES

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