

# Rajesh M

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## EDUCATION

### SAVEETHA UNIVERSITY

B.TECH IN INFORMATION  
TECHNOLOGY

Aug 2019 - Oct 2023 | Chennai, TN  
CGPA: 7.6 / 10

### VANA VANI MATRICULATION HIGHER SECONDARY SCHOOL

COMPUTER SCIENCE  
Grad. Mar 2019 | IIT Madras, TN

## LINKS

Github: [rajxsh](#)

LinkedIn: [Rajesh M](#)

Consolidated GradeSheet: [CGS](#)

Java Full Stack Dev. Course: [JFSD](#)

## COURSEWORK

### UNDERGRADUATE

Machine learning  
Operating System  
Software Testing  
Database Management System  
Cloud Computing  
Web Technology  
Software Engineering  
Programming in Java  
Python Programming  
Mini Project  
Core Project

## SKILLS

### PROGRAMMING

Front-End:

- HTML • CSS • Bootstrap • Javascript
- React.JS

Back-End:

- Java • Java OOPs • Spring boot
- JSP • Servlet • MySQL • MongoDB
- RESTful API • GIT • Github
- Agile Methodologies • Gradle
- Tomcat Server

Soft-Skills:

- Quick-Learner • Adaptability
- Problem-Solving • Team Work
- Project Management

## EXPERIENCE

### KAASHIV INFOTECH | INTERNSHIP

CYBER SECURITY

Mar 2021 - Mar 2021 | Chennai, TN

- Short Yet Immersive, the experience offered insights on web app security, attack vectors, and vulnerability prioritization.
- It deepened my grasp of CyberSecurity's vital role in the digital realm.
- **Tools** - Chrome Devtools, Wireshark

### CORE PROJECT | COLLISION OBSERVATION AND HANDLING TECHNOLOGY (COHT)

Mar 2024 - Jun 2024 | Team Work

- **Smartphone Detection and Alerts:** The COHT project uses smartphone sensors to detect collisions and automatically alert emergency services.
- **Accident Location PinPointing:** The system pinpoints accident location and notifies the nearest hospital and emergency contacts.
- **Rapid Medical Response:** The technology ensures a quick response from medical teams, reducing the death rate in motor vehicle accidents.
- **Tools** - Android, Apache ant, Gradle, Java, Java package, Maven

### CORE PROJECT | HUMAN EMOTION DETECTION

Oct 2022 - May 2023 | Saveetha University, Chennai

- **HED with Advanced Algorithms:** Led a reasearch project utilizing VGG16, VGG19, LSTM, RNN, and DBN algorithm to enhance human emotion detection.
- **Facial Expression Analysis:** Developer systems to categorize facial expression into six emotion catagories, fostering improving mental health interventions and human-machine communication
- **Tools** - Python, Machine learning, Tensorflow and keras, Scikit-Learn, Matplotlib and seaborn, Numpy, Pandas, Opendatasets, Virtualenv.

## CERTIFICATION

- The Complete 2024 Web Development BootCamp | Feb 2024, UDEMY
- Java Full Stack Development | Feb 2024, Candid Software Training
- Git Command Line for Beginners | Oct 2023, UDEMY

## RESEARCH

### SAVEETHA UNIVERSITY | RESEARCHER

Oct 2022 - May 2023 | Chennai, TN

- Collaborated with **Prof. Jesu Jayarin** to develop theoretical system for Human Emotion Detection (HED) using machine learning algorithms.
- The primary goal was to enhance the accuracy and efficiency of Human Emotion Detection, thereby improving overall accuracy of detecting.