

Thejas Narasimha Murthy

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EDUCATION

Nitte Meenakshi Institute of Technology, Bangalore, India

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Bachelor of Engineering, Information Science and Engineering

Courses: Machine Learning, Data Mining, Advanced Java, Web Technologies, Analysis and Development of Algorithms.

TECHNICAL SKILLS

Languages

Java, Python, C, SQL

Web

JavaScript, PHP, JSON, XML, HTML5, CSS3

PROFESSIONAL EXPERIENCE

**Center for Artificial Intelligence and Robotics,
DRDO**

Bangalore, India

Software Development Intern

Summer 2018

End to End File Encryption Application

- Developed a backend service using spring boot that accepts document files of any format and encrypt or decrypts them using a private key. Used various encryption algorithm such as AES and RSA.
- Developed backed systems to authenticate user and the documents based on encryption key to achieve end to end encryption.
- Developed a UI client with user profile managements and dashboard to upload file for encryption and decryption.

ACADEMIC PROJECTS

• **Blood Glucose Monitoring System (Java, PHP, MongoDB, MongoDB Atlas, HTML)**

Developed a system that would collect data from blood glucose monitoring agent and show various trends of the person vitals over time developed a ML model to analyze trends and alert user and dependents in case of abnormalities. The system also provided a dashboard to the user to suggest various tips to control and manage the glucose level.

• **Hotel Billing Application (Java, Cassandra)**

Developed web/ desktop application for hotel managers to manage billing information for customers and provide auditing information. The UI of the application was developed using HTML5 and CSS3 and Bootstrap for responsive design JavaScript for client side and PHP for server-side scripting and the backend services were developed using spring.

• **Bill Tracker (Java, Spring, MongoDB)**

Developed a web application to split and manage bills for group events among group of people. The application provided the capability of resolving dependency and simplified balances per user.

• **Weather Forecast (JavaScript/PHP)**

Developed a Web application to retrieve the weather forecast given a location, where the front end was developed using HTML5 and CSS3 and Bootstrap for responsive design JavaScript for client side and PHP for server-side scripting, the application was hosted on Amazon AWS.

• **Developed an Inference Engine (python) in First Order Language used for Data Mining to determine whether a given statement can be inferred from a given set of statement using Backward Chaining.**

• **Designed and developed an android application called “ISE-Buzz” during Hackathon which provide the user updates about upcoming and live events that were happening in college it also provide details about the events such as location and the contact person.**