

# AKSHITHA SHINDE

*Chaitanyapuri, Dilsukhnagar, Hyderabad, Telangana, India*

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## EDUCATION

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Indian Institute of Technology Hyderabad *August 2019 - Present* Master of Technology Current GPA: 8.8/10  
Department of Computer Science and Engineering

MVSR College of Engineering and Technology *August 2013 - June 2017* Bachelor of Engineering Percentage:  
82.6% Department of Computer Science and Engineering

## TECHNICAL STRENGTHS

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- Computer Languages C/C++, Java, NS3
- Web Technologies HTML, CSS
- Software & Tools Docker, Jenkins, Atlassian Tools, Nexus, Git, SonarQube, Nagios.
- Operating System Linux, Windows

## COURSES TAKEN

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*Internet of Things, Information Retrieval, Fraud Analytics, Network Wireless Systems, Advanced Computer Networks, Topics in Wireless Networks, Advanced Data Structures and Algorithms*

## EXPERIENCE

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### **IIT Hyderabad Aug 2019 - Current *Postgraduate Research***

Indigenous 5G Testbed :

- Working on the development of 5G Core Network Functions (NFs) and Multi-Access Edge Computing (MEC) Platform in accordance with 3GPP specifications.
- Mainly contributed to the UDM (database) network function. Completed its migration from MySQL database to Mongo and understood its effect on overall performance and how it is a better option.
- Also Worked on the security portion of the testbed. Implemented the security part with OAuth Authentication.
- Set up a private docker registry instead of the public repository for the project.

### **Accenture Solutions Private Limited May 2017 - June 2019 *Application Development Analyst***

Fiji Engagement, SCEM – DevOps Implementation:

- We have customized as per the client business Process and implemented on the same.
- Provided day to day support to all users and have implemented requirements using Atlassian tools and Jenkins for build and deployment.
- The major responsibilities were Creation/Modification of build and deployment pipelines for applications.
- Migration of test environment (Jira, Wiki, Stash, Crowd, Nexus, Jenkins, SonarQube) to production zone.
- Expertise in up-gradation activity of tools (Jira, Wiki, Stash, Crowd, Nexus, Jenkins, SonarQube). Implemented common branching, Automated branching strategy in Stash across the project.

## ACADEMIC ACHIEVEMENTS

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- Ranked in National Top 2% (amongst 1,31,000) in GATE 2019.
- Consistently among Top 5% throughout my academic career.
- Received scholarship from Govt Of Telangana for securing rank < 10000, As part of the scholarship, The tuition fee of the institute was paid by the Govt of Telangana.

## PROJECTS UNDERTAKEN

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- ***Migration from MySQL to Mongo in In5GT - Present In collaboration with Indigenous 5G Testbed***  
Working on UDM (database) network function's migration from MySQL database to Mongo and understood its effect on overall performance and how it is a better option.  
Technologies used: C++, MongoDB, Docker.
- ***Securing the Network function of 5G Testbed with OAuth- Present In collaboration with Indigenous 5G Testbed.***  
Securing who and what a network function can access to address the security issue, Use of OAuth to achieve the same.  
Technologies used : C++, MongoDB, OAuth, Docker.
- ***Microsoft AI challenge 2018 - Sept 2020 Information Retrieval Project***  
Created a model that selects the most relevant answer to a given query. Used classification and ranking models.  
Technologies used: PyTorch, Python
- ***Classification of Music Genres using Jaudio - Jan 2017, UG Major Project.***  
This was a study on the different audio clips. We performed feature extraction and then performed classification on features extracted. The study of features and its effect on existing classification and clustering algorithms was studied.  
Technologies used: JAudio tool, JAVA
- ***College Social Networking - July 2016, UG Minor Project.***  
A web application, that is a platform that helps to track the last moment changes in the plans of faculty, announce assignments, deadlines etc.  
Technologies used: JAVA, HTML, CSS, MySQL database.
- ***Wordoid- A Dictionary Application - Jan 2016, UG Minor Project***  
Android application development project. Apart from the normal dictionary this had an additional feature of adding a word and its meaning.  
Technologies used: Java, XML, HTML.

## LANGUAGES

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English - Fluent , Marathi - Native, Hindi - Fluent, Telugu -Fluent

## INTERESTS AND ACTIVITIES

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- Fundraiser and Community builder at MITTI KE RANG.
- Co-Founder and member of a community helping group Young India.
- Tutoring, Reading Novels, Cooking, Playing Badminton.