

# Shreyas MM

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## CAREER OBJECTIVE

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To utilize my skills to work in an organization which offers challenging career, rewards hard work, sincerity and performance, and helps me emerge as a competitive professional. To be an active employee in your company and to express and develop my skills for the mutual development of company and myself.

A unique characteristic professional who specializes in Cloud Computing, Virtualization, Infrastructure management of OpenStack, AWS & GCP. Professional Skills and Interests:

- **Cloud Computing**
- **Virtualization**
- **Docker & LXC**
- **Linux**
- **AWS Cloud**
- **OpenStack**

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## EDUCATION

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**Master of Technology.** PES University (Bangalore, India)

- CGPA 8.59, Computer Science and Engineering specialization in Cloud Computing Graduated in 2017.

**Bachelor of Engineering.** Nagarjuna College of Engineering and Technology (Bangalore, India)

- Aggregate 72.71%, Computer Science and Engineering Graduated in 2014.

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## PROFESSIONAL SKILLS

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Building Scalable, Distributed, Fault Tolerant, High Availability and Low-Cost Cloud Architectures. Disaster Recovery and Backup Operations, Reviewing Architectures, Monitoring of AWS Resources, Cost Estimation & Cost Optimization of AWS Infrastructure Resources

**Cloud:** OpenStack Cloud, AWS, Architecture Design of Backed Services, RabbitMQ, Databases – Mysql, MariaDB, MongoDB, DynamoDB, Experience with Service Oriented Architectures (SOA) & Building of Microservices architecture, Kubernetes, Virtualization - KVM, LXC, Docker, Automation/Orchestration - Ansible, CI/CD - Jenkins. Deployment and Migration to cloud and on-premise environments.

**Linux:** Python, Bash, Apache, Nginx, Ubuntu Server, Server Administration & Maintenance, git, and have good experience in Redhat Enterprise Linux RHEL7 and Cent OS.

**Web Development:** LAMP, HTML5, CSS3, JavaScript, PHP, AJAX, MySQL, Frameworks - Bootstrap, Foundation, jQuery, Angular, Laravel, Express (Node.js), WordPress, Ruby on Rails, Django.

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## CERTIFICATIONS

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**AWS Certified Solution Architect – Associate.**

**Red Hat Certified Engineer.**

**Red Hat Certified System Administrator.**

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## RESEARCH PUBLICATIONS

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**Federated Cloud Services using Virtual API Proxy Layer in a Distributed Cloud Environment** – Published in **9<sup>th</sup> International Conference on Advanced Computing (ICoAC-2017)** held at Madras Institute of Technology (MIT), Chennai on Dec 2017 Online link - <https://ieeexplore.ieee.org/document/8441196> .

**A Comparative Study of Question Bank Classification based on Revised Bloom’s Taxonomy using SVM and K-NN** – Published in **2<sup>nd</sup> IEEE International Conference on Emerging Computation and Information Technologies (ICECIT-2017)** held at Siddaganga Institute of Technology (SIT) Tumkur on Dec 2017. I am coauthor of this paper Online link-<https://ieeexplore.ieee.org/document/8453305> .

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## PROJECTS

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**Edu-Fi – Education Distribution System:** Description Edu-Fi, a Network project for our final semester of B.E. The main concept of Edu-Fi is MORE than just being a router, it next generation router. Its current application is in interactive class-room learning, libraries where learning has gone digital by connecting Edu-Fi Network. Students can download the study materials and some extra brain-tweezers using any Wi-Fi Enabled Devices. It does not require Internet Connectivity but is an available option. Its Wi-Fi Connectivity range is 30m without any obstacle on performance This Project was funded by College. (2013-2014)

After my 2nd semester in M.Tech I have done through research on Hybrid Cloud in Centre for Cloud Computing and Big Data (CCBD) based on it I worked on my project for a year.

**Orchestration for Federated Cloud Services:** An Approach to enabling Hybrid Cloud for enterprises using OpenStack API-Proxy Server and third-party solutions. This Provides Solution for Orchestration for remote cloud infrastructure resources namely instances, floating ips, volumes, security groups, users as well as some more advanced functionality such as instance high availability, auto scaling in OpenStack based Clouds. (2016 - 2017)

- Demonstrated the project in **Cloud Interoperability Booth at IEEE Ants 2016 Conference** held at IISc Bangalore – Nov 2016
- Have demoed in talk **Standards-based and Interoperable Clouds for India at SNIA Storage Developer Conference** India Bangalore – March 2017
- Watch Demo <https://youtu.be/gmGCfccnq9o>
- **Published Research Paper at 9<sup>th</sup> International Conference on Advanced Computing (ICoAC-2017)** held at Madras Institute of Technology (MIT), Chennai – Dec 2017.

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## AWARDS

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**Ikya 2012 Design Award:** I got this award for Brand Identity Design for Ikya 2012 Intercollegiate Cultural Festival for my college.

**Ikya 2014 Design Award:** I got this award for Brand Identity design which includes, Memento Design and Certificates (Merit & Volunteer), id card, A Slightly Modified Logo, Invitation Design, Banners (7 Variations) and Stage Design.

**Ikya 2014 Web Design Award:** This is my first web design/development Project created the Website for Ikya 2014 Intercollegiate Cultural Festival for My College <http://www.nagarjunaevents.com>.

**Project Exhibition 2nd Prize:** My project Edu-fi got 2nd Prize in College Project Exhibition.

**Professor C N R Rao Merit Scholarship:** Awarded to me in MTech 3rd Semester (2017) for being among the top twenty percent performers with SGPA of 9.45.

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## STUDENT LIFE AND VOLUNTEERISM

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Trained and helped many batches students of 3<sup>rd</sup> and 4<sup>th</sup> year in OpenStack Cloud at Centre for Cloud Computing and Big Data. Defined the research topics and criteria for assignments topics for Students 3<sup>rd</sup> year Students, Designed the course materials for 2<sup>nd</sup> year students for getting started in Linux, OpenStack Cloud, Big Data technologies at Boot Camps. In my Engineering have helped many teachers and helped in organizing many national conferences, College Cultural Fests and in department events.

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## WORK EXPERIENCE

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TRAFORM INC.

June 2018 – Present

*A corporate travel management SaaS-based application which helps employees to manage corporate travel, expense and time management.*

### **Devops Engineer**

My responsibilities of this role include Monitoring all Servers, Maintaining zero Downtime of Critical Servers, Cost Estimation of deployment of new Tenants, Building Architectures, Hotfixes, Production Releases, Maintaining Application Logs for Compliance Reasons.

*After my BE I have worked in Following Companies*

INZ AXIS TECH SERVICES

October 2014 – January 2015

*An Education Services firm with 40 employees and having 60 Schools as partners across Bangalore.*

### **Junior Associate Developer**

My responsibilities of this role included Frontend Design, SEO Optimizations, Schema.org integrations for website, backend web app development, handling the communications mobile devices and backend.

KAPNOVATE TECHNOLOGIES

August 2014 – September 2014

*A software company which focus on development of applications and manages website zreality, zivro.*

### **Associate Software Developer**

My responsibilities of this role included Frontend Website Design for zreality, zivro website.

Few Start up Experience

**Roomate** (Jan 2015 - Aug 2015) – it's a product for administrators of Hostels for managing the students in Hostels, features include Tracking students, Allocation of rooms, complaints registration, fees management, food preference of students, medical history, repairs, student dashboard for apply leaves.

**Snapr** (Jan 2015 – Sept 2015)– A Social Network for professional photographers where they showcase their work and user can hire them on their work and ratings. Color pictures printing services where the distributors can roll of offers for prints to photographers.

Freelance Work

**Hemadriiti.in** – Hemadri ITI College, Arahalli, Kolar I have built and maintained the college website for an year (2<sup>nd</sup> Nov 2014 – Nov 2015).

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**OTHER RELEVANT INFORMATION**

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**Name:** Shreyas MM

**Father's Name:** Manjunath M S

**Date of Birth:** 4<sup>th</sup> February 1992

**Marital Status:** Single

**Languages known:** English, Kannada, Hindi, Telugu

**Current Location:** Bangalore

**Declaration**

I hereby declare that the above-mentioned information is true to my knowledge and I bear the responsibility for correctness of above-mentioned particulars.

**Date:**

**Place:** Bangalore

**Shreyas MM**