

KOSHIK RAJ

Nationality : Indian

Date of Birth : 28/04/1993

Address : Raj Prakash House, Kuvettu Post, Belthangadi Taluk, D.K, Karnataka -574224

Mobile : (+91)9900589280

Email : koshik.raj@gmail.com

OBJECTIVE

To make the best out of the potential that I have. And to join an organization that would help me achieve this.

ACADEMIC DETAILS

Grade	School / College	Board / University	Duration	% / CGPA
10 th	SDM High School, Ujire	K.S.E.E Board, Karnataka	2007-2008	95.4
12 th	SDM P.U College, Ujire	Karnataka Pre-University Board, Karnataka	2009-2010	83.33
B.E	Sahyadri Institute of Technology	Visvesvaraya Technological University, Belgaum	2010-2014	70.63
M.Tech	Manipal Institute of Technology	Manipal University	2014-2016	8.2

TECHNICAL SKILLS

Programming:

- Programming languages - C, C++, C#, JAVA, Python, PHP, SQL, VB.
- Web Languages – HTML, CSS, JavaScript , PHP, JSP, ASP, CGI Scripts and frameworks such as Django(python)

Platforms:

- MS Windows, Linux based operating systems

Areas of Interest

- Discrete Mathematics, Analysis of Algorithms, Cryptography, Information Security

ACADEMIC PROJECTS

B.E 5th and 6th semester

- **Distributed Cloud System**

Built a bridge to combine storage of several cloud services using their APIs and data was stored in those storage systems in a distributed way for better security.

Technologies and languages used: Python, SQLite.

Duration: 1 month.

Project link: <https://github.com/koshikraj/master-cloud>

- **Graph plotter**

Developed an interactive graph plotter to represent most of the mathematical equations. Added additional functionalities such as scaling the graph.

Technologies and languages used:

C, OpenGL.

Duration: 1 month.

Project link: <https://github.com/koshikraj/graph-plotter>

B.E 8th semester

- **Efficient file sharing using BitTorrent protocol.**

This project aimed at implementing the BitTorrent protocol in a LAN environment by setting up local tracker.

This tracker keeps track of the shared files of each user in LAN. This approach showcased that local file sharing could be achieved with BitTorrent protocol which has its benefit of increased transfer speed.

Technologies and languages used: Python, PHP, MySQL.

Duration: 5 months.

M.Tech 2nd Semester

- **Captcha as gRaphical Password.**

Implemented a paper on CaRP by using .Net WCF web service.

Technologies and languages used: ASP, mongoDB.

Duration: 2 months.

Project link: <https://github.com/koshikraj/CaRP>

Internship at: RSA, Security division of Dell EMC. Bangalore

Internship duration: 1 year (July 2015 - July 2016)

Business Unit: RSA

Product: Security Analytics

Role: Automation and Infrastructure

Description of the product:

RSA Security Analytics is a unified platform for incident detection, investigation, and advanced security analysis. It brings together the best of traditional security information event management (SIEM) network security monitoring.

Description of internship:

- Deployment of components in lab manager by creating configurations and ensured integrity after deployment
- Worked on Vcloud deployment and used REST API for managing the VMs as a part of automation.
- Worked on UniTE automation framework to develop front end libraries and unit tests for Reporting engine of Security Analytics using selenium driver.
- Developed backend libraries and component test scripts for Core components of Security Analytics using SSH tunnel and REST protocol.

Technologies and languages used: Python, REST, VCloud Director, JIRA, HP QC, Github.

SCHOLASTIC ACHIEVEMENTS

• College Tech-Fest Website Development

Developed the Backend of the website 'eximius.sahyadri.edu.in' associated with the Tech-Fest 'Eximius' single-handedly involving creativity and timely delivery of work.

• Coordinator of Publicity Committee of Tech-fest

Handled major publicity tasks (advertising attempts in various colleges in and around the city) spearheading a team of 15 members.

- Successfully created an app called 'File splitter' at the App Development- 'Hackathon', an event organized by 'Microsoft' during 6th semester of B.E.
- Won innovative project of the year for project titled 'Distributed Cloud System' developed using python in college level.
- Won best project in the department category for project titled 'Efficient file transfer using BitTorrent protocol'.
- Being an active quizzier, won several intra and inter college IT Quizzes.
- Completed Certified Ethical Hacker certification by EC-Council in 2016.

CO-CURRICULAR/EXTRA CURRICULAR ACTIVITIES

- Being an avid Painting enthusiast, won almost all drawing competitions held in schools and taluks.
- Painting published in an issue of 'The Hindu'(Youngworld section) in the year 2007.
- Also owing to consistent participation in IT quizzing and interest in blogging, developed a blog 'www.techrapper.com' which primarily manifests current technological developments in the IT sector in terms of questions and answers helping the quizzing aspirants.

WORK EXPERIENCE

- Student intern at **RSA, Security division of Dell EMC** for 1 year.
- Currently Associate Software Engineer at **RSA, Security division of Dell EMC** (3 months).

PERSONAL PROFILE

Name	Koshik Raj
Father's Name	Late. Vasanth Raj Prakash
Mother's Name	Nagaveni
Gender	Male
Date of Birth	28.04.1993
Language Known	English, Hindi, Kannada, Tulu, Sanskrit
Nationality	Indian
Marital Status	Single
Hobbies	Solving puzzles, Watching movies and TV Series.

I hereby declare that the information given above is true to the best of my knowledge.

Date: 18/10/2016

Bangalore

Koshik Raj