

Soma Rakesh

Address: #OBH 230, IIIT-H, Gachibowli, Hyderabad – 500032

Mobile: +91-9676-718-901

Email: rakesh.somaug08@students.iiit.ac.in

Objective

To get an entry level job in a software product and application development industry. I intend to add value to whatever I do to the best of my abilities.

Education

| Degree | Institute | Stream | Performance |
|------------------|-----------------------------------|----------------------------------|-------------|
| B. Tech CSE | IIIT – Hyderabad | Computer Science and Engineering | 9.43 / 10 |
| Senior Secondary | Narayana College, Hyderabad, AP | Science + Maths | 95.80 % |
| Secondary | Kendriya Vidyalaya, Hyderabad, AP | CBSE | 83.00 % |

Software Skills

| | |
|-----------------------|--|
| Operating System | Linux, Windows. |
| Programming Languages | C (Expert), C++ (Moderate), Python (Expert), Java (Basic), Shell Scripting(Moderate) |
| Web Technologies | HTML(Moderate) , PHP (Moderate), CSS, JavaScript (Basic) |
| Database Management | MySQL (Moderate) |
| Library / Framework | UML (Basic), OpenGL (Moderate), Android SDK, OpenGL ES (Moderate), Mobile Robotics Platform Toolkit. |

Academic Achievements

- Secured All India Rank 544 in AIEEE - 2008 among 792,752 candidates.
- Secured State Rank 359 in EAMCET - 2008 among 270,410 candidates.
- Selected for **Dean's List** for 6 consecutive semesters.
- Recipient of CBSE AIEEE Scholarship for top 350 candidates in India among 792,752 candidates.

Professional Experience

- Worked as Summer Intern at **Cisco Systems**, Bangalore. (June 2011- August 2011)
- Worked as an Intern at **Fusion Garage**, Singapore. (December 2010 - February 2011)
- Teaching Assistant for SSAD, ITWS and Data Structures Courses.
- Research Assistant for Virtual Labs, IIIT-H. It is an MHRD funded project.

Relevant Courses

Algorithms, Artificial Intelligence, Computer Programming, Computer Organisation, Computer Vision, Computer Networks, Computer Graphics, Data Structures, Formal Methods, IT Workshop, Introduction to Databases, Operating Systems, Mobile Robotics, Natural Language Processing, Principles of Programming Languages, Structured System Analysis and Design .

Projects

- **Cisco Scripting Toolkit**

This was a summer intern project at Cisco Systems. This project was aimed to develop automation script which could configure multiple UCS servers with a single user stroke.

Technical Environment: Tcsh, Expect, Cisco Integrated Management Controller CLI.

- **Android Applications**

Developed a 3D Game Application for Android Based Mobile Platform

Technical Environment: Java, Android SDK, OpenGL ES, Blender.

- **3D Indoor Mapping**

Designed a system for performing an automatic SLAM of an Indoor Environment using Kinect Depth Camera and p3dx robot.

Technical Environments: C++, Mobile Robotics Programming Toolkit.

- **Automatic Analysis of News Videos**

It aims at building an automated system for performing tasks - Headlines Detection, Anchor of the Day, Advertisement Removal.

Technical Environment: OpenCV in C++, Matlab, ffmpeg.

- **Image Search Engine**

Retrieval of similar images from a given query image.

Techniques Used: Bag of Words Model, Clustering Techniques, tf-idf ranking.

Technical Environment: C++, Matlab, PHP.

- **Rendering of 3D Models**

Designed and developed a 3D model of a small city which includes buildings, trees, people, and vehicles.

Technical Environment: OpenGL library on C++ platform.

- **Leave Management Portal**

Designed and developed a web interface to process leave applications applied by faculty.

Technical Environment: PHP, MySQL, Ajax, JavaScript.

- **Object Attribute Dialog System**

This project is aimed at developing a user-computer Dialog Management System which has a domain that is just like an object and attribute model.

Technical Environment: Python, MySQL.

- **Virtual Lab Projects**

The aim of this project is to provide graphical visualization of concepts related to electromagnetic theory.

Reference: <http://devel.virtual-labs.ac.in/test/~emt/final-build/aboutus.php>

Technical Environment: Java, Eclipse, Java3D, Blender.

Extra Curricular Activities

- National Level **Table Tennis** Player.
- I play **Violin**. (Performed at Ravindra Bharati)
- Co-organized **Paper Presentation Event** at IIIT-Hyderabad.

Current Status

- Got placed at **EMC2, Bangalore** during the on-campus recruitment process at IIIT-H.
- Pay Package (CTC) : **10.5 lpa** (stocks not included)