

Rahul Ranjan

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Summary

I graduated with a degree in computer science from Indian Institute of Technology, Guwahati. Over the years, I persevered hard to build upon my skills to become a well-rounded developer. I have done various guided and hobby projects to explore full stack development, software development, machine-learning and IoT. After leading ideation and management of so many projects, I find my organization, time management skills and passion to deliver more than expected to be my strengths. I am quick at grasping new skills and can wrap my head around things extremely fast.

Linkedin : <https://www.linkedin.com/in/rahulranjan96/>

Github : <https://github.com/rahulranjan96>

Education

Indian Institute of Technology, Guwahati,
Bachelor's Degree

Graduated - May 2018

Computer Science and Engineering

CGPA : 7.71

Sir Padampat Singhania School,
Intermediate

Graduated - May 2014

Score : 94.6% (PCM : 97%)

The Aditya Birla Public School,
Matriculate

Graduated - March 2012

Score : 93%

Employment History

Samsung Research Institute, Noida, Uttar Pradesh
R&D Engineer

June 2018 - Present

Currently I am part of Camera System Group working on lower layers of Android Camera Stack like HAL and device drivers related to camera.

Samsung Research Institute, Noida, Uttar Pradesh
Intern

May 2017 - July 2017

I was a part of Advanced Technology Group working on a project related to 3D Face Biometrics. I worked on various computer vision technologies like open-cv and tensorflow.

Indian Institute of Technology Guwahati, Guwahati, Assam
Web Developer

March 2016 - March 2017

Developed a voting site for the students of IIT Guwahati. Maintenance of SAIL website.

Worked under Dr. Ashish Anand at IIT Guwahati to develop a NLP based standalone software using Python and its NLTK and Polyglot libraries which was used for information extraction as well as automatic and manual annotation of data from any document

Professional Skills

C/C++	Advanced
Python	Advanced
Java	Beginner
MySQL	Intermediate
Linux	Intermediate

Projects

Single Image Crowd Counting

Dr. Arijit Sur, Associate Professor, Dept. of CSE, IIT Guwahati

Developed a deep learning based system to count number of people from a single image of a crowd.

Video Search Engine using a combination of databases

Dr. S Ranbir Singh, Assistant Professor, Dept. of CSE, IIT Guwahati

Developed a video search engine that made use of SQL and noSQL databases for efficient search.

Smart Rack for Mall Automation

Dr. Shivashankar B. Nair, Professor, Dept. of CSE, IIT Guwahati

Developed a IoT based system using Arduino, Raspberry Pi and various sensors to aid visually impaired customers in buying products from malls.

Achievements

- **Samsung PPO** : Secured Preplacement Offer from Samsung R&D Institute India, Noida
- **JEE Advanced 2014** : Secured All India Rank **790** among 0.15 million candidates appearing for the test.
- **JEE Mains 2014** : Secured a place in top 0.1% out of 1.4 million candidates appearing for the test.

Key Courses Taken

- Data Structures and Algorithms
- Probability and Statistics
- Database Systems
- Operating Systems
- Machine Learning
- Computer Vision