

Akash Yadav

Software Developer | Computer Science Major

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EDUCATION

Motilal Nehru National Institute of Technology, Bachelor of Technology

Aug 2016 – present

- CPI 8.25/10
- Major in Computer Science & Engineering

Pyaragraj, India

Indian School Sohar, Senior Secondary & Secondary

May 2009 – Mar 2016

- CBSE Class XII (2016), 94.8% School Rank 5
- CBSE Class X (2014), 9.4/10 Top 10% of Class

Sohar, Oman

TECHNICAL SKILLS

- **Programming:** Java (Proficient) · C/C++(Intermediate) · Python(Beginner) · JavaScript(Beginner)
- **Frameworks:** Express.js · Springboot · Django
- **Platforms/IDEs:** Visual Studio Code · Processing3 · Unity · NetBeans · Eclipse
- **Technologies:** Image Processing · Genetic Algorithm · Augmented Reality · MEAN Stack
- **Git:** Github · BitBucket · Gitlab

INTERNSHIP EXPERIENCE

CITI, Programming Analyst, Securities Services Technology Team

May 2019 – Jul 2019

- Increased Data Security posture by performing tokenization using Protegrity's DTaaS template, potentially saving computation power and time.
- Develop an application around Sharepoint to collect and organize data from a technical survey of various internal applications.

Pune, India

Defence Research and Development Organisation, LASTEC, Summer Intern

May 2018 – Jun 2018

- Developed a Single Pixel Camera Using Compressed Sensing thereby cutting cost by 10 folds and reducing size in half.
- Analysed the performance on processing scripts to find bottlenecks.

New Delhi, India

PROJECTS

Multithreaded Load Balancer

Nov 2019 – Nov 2019

- Developed in C, a high performant multithreaded Load Balancer using TCP sockets

Brain Controlled Home Automation System for Divyangs

Feb 2019 – Apr 2019

- Designed a home automation system to enable people with disability to interact with smart home devices by reading brain signals via Brain-Computer Interface.

Genetic Image Evolution

May 2018 – Jun 2018

- Developed a program using Genetic Algorithm to replicate the biological evolution process on image evolution.
- Achieved 20x performance improvement by using an exponential fitness function.

Airline Reservation System

Jan 2016 – Feb 2016

- Created a GUI application based on NetBeans and MySQL to manage flight tickets for the passengers.

ACHIEVEMENTS

Finalist in HackVerse (Hackathon at NITK Surathkal)

Jan 2020

- Reached top 50 among 2000 registered teams

Insomnia, annual CodeChef event at MNNIT

Sep 2018

- Achieved 31st rank out of 1206 teams

Finalist in Softathalon (Annual tech event at MNNIT)

Sep 2017

- Top 10 among 500 participants

Highest marks in Maths and Physics class XIIth

Dec 2016

- Awarded 2 gold coins

COURSES

Crio Launch, *Crio.do*

Feb 2020 – Mar 2020

- Backend Development

Crux, *Coding Blocks*

May 2017 – Jul 2019

- Core Java Data Structures and Algorithm

Node.js, *Udemy*

Jun 2019

- The Complete Guide to Build RESTful APIs

Business Communication Skills, *Internshala*

Apr 2019

C/C++, *NIIT*

Aug 2016

- Introduction to Programming

VOLUNTEER EXPERIENCE

Mentors Without Borders, *Mentor*

Mar 2020 – present

- Voluntarily work once a week to teach programming to underprivileged students in Africa

Rotaract Club, *Member*

Aug 2019 – present

- Lead a team of 5 fellow volunteer to conduct weekend classes in Maths and English for underprivileged students in the rural area.

National Service Scheme, *Member*

Aug 2016 – present

- Collaborated in a team of 50 fellow volunteers to clean streets and raise awareness on Swachh Bharat Mission.
- Volunteered for organizing blood donation drive.

INTERESTS

- Playing Basketball
- Astronomy Enthusiast
- Reading Sci-fi and short horror novels
- Lucid Dreaming