

# Umar Aalam

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## EDUCATION

### IIT INDORE

MS(RESEARCH) | COMPUTER  
SCIENCE

July 2018-Present | Indore, India  
CPI: 8.35

### BIRLA INSTITUTE OF TECHNO- LOGY MESRA RANCHI

BE | COMPUTER SCIENCE  
ENGINEERING

June 2017 | Ranchi, India  
CPI: 7.11

### SCHOLAR'S ABODE PATNA INTERMEDIATE

2012 | CBSE New Delhi | Patna, India  
Percentage: 72.2

## LINKS

IIT: // portfolio

Github: // mr-easy

GeeksforGeeks: // geek

Hackerrank: // mr-easy

LinkedIn: // social

## COURSEWORK

### GRADUATE

Machine Learning  
Advanced Algorithms  
Computer Network Security

### UNDERGRADUATE

Computer Networks  
Design and Analysis of Algorithm  
Data Structures  
Operating system  
Theory of computation  
Database Management system  
Computer Architecture  
Object Oriented Systems

## SKILLS

### PROGRAMMING

C • C++ • Python • PHP • HTML • CSS

•  $\LaTeX$  • Matlab

Familiar:

Linux Administration • MySQL • Android  
• Java • Javascript • OpenMP

## EXPERIENCE

### SOFTWARE ENGINEER | ACCOLITE SOFTWARE

July 2020-Present | India

### IIT INDORE | TEACHING ASSISTANT

⇒ Advanced Algorithms (August 2019 - July 2020)

⇒ Design and Analysis of Algorithms | (Jan 2019-July 2019)

⇒ Programming Language (Autumn-2018) | (July 2018 - Dec 2018)

### GEEKSFORGEEKS | TECHNICAL CONTENT WRITER

Jan 2019 | India, Indore

## RESEARCH PROJECTS

### IIT INDORE | RESEARCHER

OCT-2019- 2020 | INDORE INDIA

Working with Dr. Bodhisatwa Mazumdar and Dr. Neminath Hubballi on an optimization of logic network graph. Paper Communicated - "mMIG: Inversion Optimization in Majority Inverter Graph with Minority Operations"

Worked on bot detection upon introducing BotDetect: An Algorithm for Botnet detection.

Dec 2018- Oct-2019 | Indore India

## UNDERGRADUATE PROJECTS

### CORPORATE NETWORK WITH ADVANCE ROUTING, SWITCHING AND SECURITY

- Domain: Network Security
- Description: Designed a Corporate Network with Switching, Routing and applied Security to the specific Routers.

## TRAINING & CERTIFICATIONS

### LINUX ADMINISTRATION WITH SCRIPTING | HEWLETT PACKARD ENTERPRISE (HPES) CERTIFICATION ID: HP/WTP/2016/E7108

### NETWORKING WITH SECURITY | HPES | CERTIFICATION ID: HPE/STP2016/E10400

### WEB DEVELOPMENT USING PHP AND MYSQL | ROBOCRUST TECHNO SYSTEMS | FEB 2014 | BIT CAMPUS

### PHP WITH WORDPRESS | HPES | CERTIFICATION ID: HP/STP/2015/E6339

### ANDROID APPLICATION DEVELOPEMENT | HPES | CERTIFICATION ID: HP/WTP/2016/E7023

### CORE JAVA | HPES CERTIFICATION ID: HP/STP/2015/E4820

## POSITIONS HELD

**2016** Contributed as a **Technical President** in the BIT Campus, Managed a team of 32 members in the committee.

**2015** Star of Batch ID: WTP2015-16/STAR/00104