

Rajat Khanna

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY JAMMU

B.TECH IN COMPUTER SCIENCE & ENGINEERING

2017 - 2021 | Jammu, India

CGPA: 9.23

Departmental Rank - 2

APEEJAY SCHOOL JALANDHAR

2015 - 2017 | Punjab, India

XII Percentage : 92.4 (97% in PCM)

LINKS

Github:// [rajatkhanna1999](#)

LinkedIn:// [rajatkhanna1999](#)

Codeforces:// [cyber_rajat](#)

Codechef:// [cyber_rajat](#)

Atcoder:// [cyber_rajat](#)

Leetcode:// [rajatkhanna1999](#)

COURSEWORK

UNDERGRADUATE

Design & Analysis of Algorithms

Data Structures

Cryptography

Theory of Computation

Operating Systems

Database Management System

Computer Networks

Computer Vision

Machine Learning

Linear Algebra

Discrete Mathematical Structures

Unix Tools and Scripting

SKILLS

PROGRAMMING

Over 5000 lines:

C++ • Python

Over 1000 lines:

C • HTML • CSS • Javascript

Familiar:

Java • Assembly • SML • Android

• MySQL • \LaTeX

Frameworks/Libraries:

Django • Tensorflow • Scikit-Learn

• Bootstrap • Git

Operating Systems:

Linux • Windows

EXPERIENCE

AMAZON | SOFTWARE DEVELOPER ENGINEER INTERN

February 2021 – August 2021 | Hyderabad, India

- Worked on Automation of manual processes in Softlines Buying System - a system responsible for making purchase orders on behalf of Amazon.
- Developed Coral APIs for microservices in Spring and Guice Frameworks following ACBDA design pattern for fetching catalog data writing maintainable code with metrics and Junits.

IIT JAMMU | RESEARCH INTERN

July 2020 – August 2020 | Jammu, India

- Worked on Public Key Encryption Scheme for String Identification.

IIT BOMBAY | RESEARCH INTERN

May 2019 – July 2019 | Mumbai, India

- Worked on Image Captioning Project with unseen objects.
- Build a model using Inception and Zero-Shot Learning to predict captions

PROJECTS

EDUCATIONAL ORGANIZATION CENTRIC CHATTING APP

March 2020 – May 2020

- Created an android app for Real time End to End Encrypted Chatting integrated with classroom features using React-Native framework and Firebase Database.

MESS CROWD INFORMATION APP

Jan 2019 – April 2019 | Design Lab

- Created an android app to count the number of people in real time and allow user to place orders using Android Studio and Google's Firebase ML Kit.

3 LEVEL AUTHENTICATION APP

February 2019 – April 2019 | Design Lab

- Created an android app with three levels of login consisting a text based, image segmentation based and graphical password. Google's reCaptcha API is used to further reduce chances of bot attack.

ACHIEVEMENTS

2020	AI + HCI Track	Part of the AI Summer School hosted by Google Research
2020	421/8252	Google Kickstart Round-D 2020
2020	301/10104	Google Kickstart Round-C 2020
2018	50/160	ICPC 2018-2019 Kharagpur Regionals
2018	177/3000	ICPC 2018-2019 Online Round
2017	National	Kishore Vaigyanik Protsahan Yojna (KVPY) Scholarship
2016	National	Cleared Regional Mathematics Olympiad (RMO)
2015	State	Cleared National Talent Search Examination (NTSE)

CO-CURRICULARS

CODING CLUB | CORE TEAM MEMBER

August 2019 – July 2021

- Conducted workshops and Introduced notion of Problem Solving to freshers.