

Abhishek Yadav

JUNIOR UNDERGRADUATE · ELECTRICAL ENGINEERING

Indian Institute of Technology, Kanpur

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Educational Qualifications

Year	Degree	Institution(Board)	CGPA/%
July'16 – Present	B.Tech, EE	Indian Institute of Technology, Kanpur	8.9/10.0
2016	XII	Delhi Public School, Kanpur (CBSE)	95.6%
2014	X	City Montessori School, Lucknow (ICSE)	92.2%

Scholastic Achievements

2016 **All India Rank 1348**, Joint Entrance Exam Advanced

India

2016 **All India Rank 1395**, Joint Entrance Exam Mains

India

Work Experience

ACA Project (Association of Computing Activities)

Kanpur, India

HASKELL

2016

- Learned basic **functional programming** in Haskell.
- Made a two-player game of **NxN Tic-Tac-Toe** in Haskell.
- Implemented Taylor Series of Sine function to an error limit.
- Applied **Mini-Max Algorithm** to the game in Haskell.

Robotics Club, Winter Camp

Kanpur, India

LINE FOLLOWING ROBOT

Dec. 2016

- Programmed the **Arduino** for functioning of robot.
- Implemented an **IR Sensor array** in a robot.
- Applied **PID algorithm** for traversal of robot.
- Integrated **maze solving algorithm** in the robot.

Google Dev-Fest

Google

ANDROID APP DEVELOPMENT

2016

- Developed an App to **digitize payment methods** on **Android Studio**.
- Generated a **QR code** based upon the data entered by the user.
- Used **Web-view** to display the QR-code fetched from internet.
- App also aimed at monitoring expenses by the user itself.

Code.Fun.Do

Microsoft India

ANDROID APP DEVELOPMENT

2016

- Developed a two-player logic based **Android Game** on **Android studio**.
- Generated a random grid amongst five random grid.
- Implemented **Dynamic Programming** to check for a valid path between two points.

Position of Responsibility

- Secretary, Programming Club, IIT Kanpur 2017-18
- Junior Executive, Public Realtions Antaragni-16

Skills

Programming Proficient: C/C++, Python; Experienced: Java, Haskell

Utilities Linux shell utilities, Git, AutoCAD, Android Studio OpenCV, ㉿X, Vim, Wireshark, Aircrack

Interests

- Competitive Programming , Robotics
- Image Processing , Computer Vision
- System and Cyber Security