



DEVANSH SINGH RATHORE

Male, 21

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Lucknow, Uttar Pradesh

CAREER OBJECTIVE

Contribute with my work in the best way possible and enhance my professional skills in a stable and dynamic workplace.

EDUCATION

Degree/Certificate	Institute/Board	CGPA / Percentage	Year
B.Tech (Computer Science and Engineering)	IIT, Palakkad	8.17 (Current)	2017-Present
Class XII	O. P. Jindal Modern School, Hisar, Haryana	91%	2017
Class X	Delhi Public School, Aligarh, Uttar Pradesh	95%	2015

TECHNICAL SKILLS

- **Programming Languages: C, C++, Python, Haskell, Javascript**
Institute courses, online tutorials, club documentations.
- **Competitive Programming**
Codeforces, CodeChef, UVa, Hackerrank [Link](#)
- **Functional Programming**
Haskell, Standard ML
- **Web development, DBMS tools: CSS, HTML, MySQL, Python Flask**
Internship, projects, online tutorials
- **Machine Learning**
Completed Machine Learning online course, offered by Stanford University at coursera.org [Link](#)
- **Deep Learning**
Completed Deep Learning online specialization course, offered by Stanford University at coursera.org [Link](#)
- **Image Processing, OpenCV**
Institute courses, OpenCV documentaries, Data Analysis Club
- **Basic Android Tracks**
Completed Basic Android Tracks online course offered in Google India Scholarship program 2018 at udacity.com [Link](#)

WORK EXPERIENCE

- **Software Intern** **Jun 2020 to Aug 2020**
GE Healthcare
Development of Federated Learning server-client paradigm using Tensorflow, RESTful-service (REST API), Python Flask, MySQL. Exploration of PyCharm Plugin Development on IntelliJ IDEA, using Gradle, Java. [Link](#)

PROJECTS

- **Language Server Protocol (LSP) for Standard ML** Jan 2020 to May 2020
Dr. Piyush P. Kurur (ppk@iitpkd.ac.in)
Course project
Built a Language Server for Standard ML, with editing features like autocomplete, hover for IDEs. [Link](#)
- **Face Recognition Project** Aug 2018 to Aug 2018
Some other major project
Developed a Face recognition Python program for automated attendance system that recognizes and predicts the person in image. Built using Deep Learning methods (CNN, Triplet Loss algorithm). [Link](#)
- **Cartoonifier using OpenCV** Jan 2018 to Feb 2018
Some other major project
Developed a program to cartoonify an image using image processing and OpenCV (Bilateral filter, Laplacian filter, Sobel Edge Detection). [Link](#)
- **Petrichor 2020 website** May 2019 to Nov 2019
Some other major project
Developed front end of Petrichor 2020 Fest website (and its CA Portal). [Link](#)
- **Online E - Challan system** Dec 2017 to Mar 2018
Sumesh KS (sumesh@iitpkd.ac.in)
Some other major project
Developed an automated online e - challan web application with additional ML applications, for Smart India Hackathon 2018. [Link](#)
- **Garbage Management Mini Project** Oct 2018 to Nov 2018
Lab project
Simulation of an efficient garbage collection system (using Dijkstra's shortest path algorithm) - Verilog [Link](#)
- **Line Follower Robot** Sep 2017 to Oct 2018
Some other major project
Built a working line follower robot programmed on Arduino. [Link](#)
- **Self - Balancing Robot** Mar 2018 to Mar 2018
Lab project
Built a self - balancing robot that balances using Proportional Integral Derivative(PID) controller. [Link](#)

ELECTIVE COURSES

- (EE5005) DIGITAL IMAGE PROCESSING
- (CS5617) SOFTWARE ENGINEERING
- (HS4605) FOUNDATION OF LINGUISTICS
- (CS5613) CRYPTOGRAPHY
- (CS5502) FUNCTIONAL PROGRAMMING
- (CS5007) DEEP LEARNING
- (MA2030) ALGEBRA
- (MA2032) NUMERICAL ANALYSIS
- (HS2031) PRINCIPLES OF ECONOMICS
- (HS2303) INTRODUCTION TO PHILOSOPHY: INDIAN AND WESTERN

TRAINING AND WORKSHOP

- **Machine Learning** Dec 2017
Stanford University (online) [Link](#)
- **Deep Learning** Jun 2018
Stanford University (online) [Link](#)
- **Inter IIT Tech meet 2018 (Star Cluster Identifier, PlutoX Hackathon)** Dec 2018
IIT Bombay
- **MyCaptain Artificial Intelligence (The CLIMBER program)** Jun 2018
MyCaptain (online) [Link](#)
- **Kaizen Internet Of Things Workshop** Jan 2018
LemaLabs [Link](#)

POSITIONS OF RESPONSIBILITY

- Club Head, Data Analysis Club (2018-19), IIT Palakkad
- Member of Web Creative Team for CA-Portal, Petrichor Fest website
- Class Representative - Semester 1,6

ACHIEVEMENTS

- **Google Hashcode 2020**
Team achieved 1436th place(world ranking) in Hash Code 2020 Online Qualification round [Link](#)
- **ICPC 2019-20**
Our team achieved rank 244 in online preliminary round and qualified for onsite round. Achieved rank 28 in Asia region Kanpur site, rank 251 in Asia region Amritapuri site. [Link](#)
- **Codechef Snackdown 2019**
Participant of online contest round 1B [Link](#)
- **Smart India Hackathon 2018**
Qualified for final round of SIH
- **The Climber Program, MyCaptain (A.I.)**
Successfully completed AI course under The Climber Program, MyCaptain, 2018 [Link](#)
- **Google India Scholarship Challenge 2018**
Selected for Google India Scholarship Challenge 2018 program, was offered Basic Android Tracks online course [Link](#)

EXTRA CURRICULAR ACTIVITIES

- **NSO (Table Tennis)**
Completed 40 hours of Table Tennis training
- **Chess**
Active participant in institute Chess competitions
- **EBSB cultural program**
Participant