KESHAV KABRA

Course : **B.E. (Hons.)**, Electronics & Communication, 2022
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CGPA : 9.1

ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	PCM	SRI KUMARAN CHILDREN'S HOME SCHOOL BANGALORE	CBSE	97.2 %	2018
CLASS X		DELHI PUBLIC SCHOOL BANGALORE SOUTH	CBSE	95 %	2016

Subjects / Electives	Machine Learning, Computer Programming, Computer Architecture, Digital Design, Information Retrieval, Computer Graphics, Microprocessors and Interfacing, Control Systems, Electrical Sciences
Technical Proficiency	Python, C++, C Programming, Tensorflow, MATLAB, OpenCV, OpenGL, SQL, Photoshop, Lightroom

SUMMER INTERNSHIP / WORK EXPERIENCE

Research Intern, Central Electronics Engineering Research Institute (CEERI) - Pilani   May 2020 - Jun 2020
- Part of a team which worked on a Deep Learning Project, to "Detect Anomalies in Videos", for industrial use
- Researched and built Deep Learning models in the area
- Used Unsupervised Deep Learning techniques and trained the model
- Techniques incorporated for the real world applications by the institute

Teaching Assistant, BITS Pilani, Hyderabad Campus   Jan 2020 - May 2020
- Teaching assistant in the Computer Science department of BITS Hyderabad for the course Computer Programming
- Great experience to help the professors and mentor juniors in programming
- Continuous brainstorming provided creative perspectives to programming
- Helped the department in designing evaluation components

PROJECTS

Books Search Engine - Information Retrieval   Sep 2020 - Oct 2020
- Built a search engine to search for books and poetry from the Project Gutenberg Open source database
- Employed the vector spaced model
- Also built a Movie recommender system, based on rating data
- Link

To implement the paper "How to colour in a Colouring Book", Henry Lieberman - Computer Graphics   May 2020 - Jun 2020
- To implement the paper as a part of the Course project of Computer Graphics
- Involved implementing a coloring algorithm from scratch, for filling any figure, with colors or custom patterns.
- Link

Interactive Programming application - Education   Jan 2016 - Mar 2018
- Built an interactive programming application for beginners to code in C++ language, without the hassle of syntax, using .NET Framework
- Students just need to think of the logic, drag and drop to code
- Helped juniors in the school to get hands on experience

POSITION OF RESPONSIBILITY

Coordinator - Enactus BPHC   Aug 2018 - Dec 2019
Managed Enactus (Social Entrepreneurship org) events in the technical fests on campus and raised funds for social cause

Coordinator - Art of Living, BITS   Aug 2018 - Present
Organised various courses in campus (pertaining to mental health and Yoga)and managed the logistics.

EXTRA CURRICULAR ACTIVITIES

Open Source Contribution
- Enjoy contributing in open source Software projects and enhancing skills

Sports
- Love playing Basketball, Table Tennis, Volleyball and practising Yoga

Photography
- Photography enthusiast, interested in Wildlife and street photography

AWARDS AND RECOGNITIONS

Maheshwari Swarna award | Maheshwari Seva Trust	Nov 2018
Awarded for the top performance in Bangalore Maheshwari trust	
Olympiad Rank 2, International Informatics Olympiad | Silverzone Foundation	Mar 2016
Awarded Rank 2 in the International Informatics Olympiad (Computer Science Olympiad) in 2016.	

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Neural Networks and Deep Learning	deeplearning.ai	
Structuring Machine Learning Projects	deeplearning.ai	
Image Super Resolution Using Autoencoders in Keras	Coursera	

COMPETITIONS

Flipkart Grid 2.0	Jul, 2020
Worked on Automated e-invoicing solutions using python and machine learning	
IIIT Hacksagon 2020	Jun, 2020
Worked on a Robotic automated paper sorter prototype	
International Collegiate Programming (ICPC)	Oct, 2019
Participated in the World ICPC Local contests	

CONFERENCES AND WORKSHOPS

Machine Learning and AI Workshop
Organized by: IIT Bombay | Date: May 2020

SCHOLARSHIPS

Merit Scholarship	Dec 2019
BITS Pilani offered a Merit Scholarship based on performance in the 2nd Semester 2018-19	

VOLUNTEER EXPERIENCE

Art of Living - Role: Volunteer | Cause: Social Services	Aug 2018 - Present
Volunteer at the Art of Living Organisation to organise meditation and Yoga programs, to bring a smile of everyones face.	
Deparment Of Photography, BITS - Role: Core Member | Cause: Arts and Culture	Aug 2018 - Present

- Member of the Photography Club and Department of Photography in the campus.
- Help to promoting Photography and Art culture on campus and mentoring juniors

Children's Movement for Civic Awareness - Role: Student Member | Cause: Civil Rights and Social Action	Jul 2014 - Sep 2016
Part of a team which helped in spreading awareness for various social issues, and proposed sustainable solutions.	

LANGUAGES KNOWN

Hindi, Kannada, Marwari, English