

Divya Pathak

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Education

Session	Examination	University/Board	Institute	CGPA/%
2019-21	M.Sc Physics	University of Delhi	Miranda House	7.85/10, Division: First
2016-19	B.Sc(hons.) Physics	University of Delhi	Shaheed rajguru college of applied sciences for women	8.797/10, Division: First
2015-16	XII std Science	CBSE Board	R.S.K.V Kalyanvas, New delhi	85.60%
2013-14	X std	CBSE Board	R.S.K.V Kalyanvas, New delhi	9.0/10

Internships & Projects

- 2021 **Internship**, Skill India python for ML/AI internship with ELITE TECHNO GROUP.
build an inventory management system using json, SQL/NoSQL based data analysis, AI project on Breast cancer detection.
- 2021 **Master's project**, Stellar parametrization (T_{eff} , $\log(g)$, $[Fe/H]$) from stellar spectra.
We estimated the stellar atmospheric parameters(T_{eff} , $\log g$, $[Fe/H]$) from stellar spectra for the MILES library (Medium-resolution Isaac newton telescope library of empirical spectra) in the temperature range of 3570-8000K with the help of lick indices, fitted as a function of these stellar parameters.

Technical Skills

Programming languages: C, C++, Python, Fortran, Scilab, HTML, CSS, SQLite

Others: Latex, Gnuplot, Simulations on electronic circuits and devices with MULTISIM, Microsoft office word, Excel, Power Point.

Achievements & Extracurricular

- 2021 Pursuing an online course "Quantum computer and quantum internet" from QuTech, Delft University.
- 2021 Pursuing an online course "CS50: Introduction to computer science" from Harvard university.
<https://github.com/divyapathak99/CS50-Harvard-2021>
- 2021 Participated in an online international summer program at the graduate of school science, Osaka university.
- 2020 EXCELLENT performance certificate in the "Advance course on special relativity" from IIT kanpur.
- 2020 Certificate of successful completion of the course "learning physics through simple experiments" from IIT kanpur.
- 2020 Certificate of participation in the online lecture series " Solar Eclipses" organized by astrophile educational services.
- 2018-2019 Certificate of academic excellence: secured 3rd position in the academics, bachelor.
- 2017 Completed programme "Training in Self- Defence Techniques" by special police unit for women and children, Nanak Pura Moti bagh, New delhi.

Current work & Position

- 2021 **Company:** Chegg India (chegg, Inc., is an American education technology company)
Position: Managed Network Expert
Work: Work at home for the Textbook solutions of Advance Physics as a freelancer.

Experience & Languages

- * 3 years experience of teaching Physics and mathematics as a home tutor.
- * Fluent in English and hindi.