






Sheiladitya KUMAR

Nuclear, Plasma, and Radiological Engineer | Graduating 2021

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 212 E Green St, Champaign, Illinois

 Born 24 March, 1999 in Delhi

COURSEWORK

Completed Coursework	Thermodynamics, Mechanics, Statics, Dynamics, Abstract Linear Algebra, Differential Equations, Quantum Physics, Electronic Circuits
Scheduled Coursework	Fluid Mechanics, Plasma Lab, Plasma and Fusion Science, Plasma Engineering, Materials in Nuclear Energy

SKILLS

Technical	Python, MATLAB, \LaTeX , Data Processing, Statistics, Research, Data Collection, Keynote, Data Analysis, Circuit Diagnostics, Microsoft Office,
Interpersonal	Communication, Adaptability, Leadership, Planning, Teamwork, Decision Making, Hard Working, Diverse Cultural Experience

PROFESSIONAL EXPERIENCE

Present July 2018	Research Assistant, CENTER FOR PLASMA-MATERIAL INTERACTIONS, Champaign, IL, US <ul style="list-style-type: none">> Conducted experiments investigating the effects of using an industrial femtosecond laser to aid a nitrogen plasma in titanium nitriding.> Used industrial femtosecond laser to texture various metals.> Investigated electron temperature and densities inside chambers with combinations of oxygen and argon plasma's.> Experience handling expensive and delicate equipment and technologies. <div><div>MATLAB</div><div>Research</div><div>Teamwork</div><div>Python</div><div>Data Collection</div><div>Data Processing</div><div>Microsoft Office</div><div>Data Analysis</div><div>Hardware Maintenance</div><div>Chamber Construction</div><div>Circuit Diagnostics</div><div>Leadership</div><div>\LaTeX</div></div>
October 2015 August 2015	Marketing Intern, COLGATE-PALMOLIVE, Bangkok, Thailand <ul style="list-style-type: none">> Assembled data and conducted surveys for marketing purposes.> Created and presented data during conferences. <div><div>Microsoft Office</div><div>Data Collection</div><div>Teamwork</div><div>Surveying</div><div>Research</div></div>

EDUCATION

Present	B.S. Nuclear, Plasma and Radiological Engineering University of Illinois at Urbana-Champaign <ul style="list-style-type: none">> Junior status with a professional concentration in Plasma and Fusion Sciences and Engineering.> Member of the American Nuclear Society at UIUC.
2017	International Baccalaureate Diploma Program Dubai American Academy <ul style="list-style-type: none">> Completed the IB Diploma program whilst also part of Varsity Football (Soccer) and Baseball.
2015	International General Certificate of Secondary Education (IGCSE) Bangkok Patana School

PROJECTS AND PUBLICATIONS

ANS STUDENT CONFERENCE

APRIL 2019

 Poster - ANS 2019

Poster on electron temperatures and densities as a function of Oxygen and Argon gas pressures prepared for the 2019 American Nuclear Society's annual student conference.

Research

Data Collection

Data Processing

Analysis

MATLAB

Python

AWARDS AND HONORS

DUKE OF EDINBURGH GOLD AWARD

JUNE 2017

 Certificate - DofE Gold

Gold Standard of the Duke of Edinburgh International award.

LANGUAGES

English ●●●●●
Hindi ●●●●●
French ●●●○○