Shubhadip Paul

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UG Second Year (B.Tech)

Durgapur, West Bengal, India

Research Interest

Broad Area :

Application of Artificial Intelligence in Material Science, Materials Processing and Materials Manufacturing.

Research Domain :

_ Light Metals/Composites and Manufacturing processes
_ Casting & Solidification
_ Injection moulding of ceramics, metal and polymers
_ Powder Metallurgy
_ Bio-inspired manufacturing
_ Manufacturing process modelling
_ Mechanics of light alloys (Numerics & Experimentation)

Education

National Institute of Technology Durgapur — West Bengal, India
· *Bachelor of Technology in Metallurgical and Materials Engineering* | **CGPA** : **8.51/10.00** — *July 2019 – Present*

Springdale High School — West Bengal, India
· *Higher Secondary (W.B.C.H.S.E)* | **Percentage : 90.20 %** — *May 2016 – July 2018*

Springdale High School — West Bengal, India
· *Matriculation (W.B.B.S.E)* | **Percentage : 92.43 %** — *June 2014 – May 2016*

Experience

CSIR - NEIST — Assam, India
Summer Intern | *Coordinator : Dr. Pankaj Bharali (Scientist)* — *June 2020 – August 2020*

· Interdisciplinary approach for sustainable use of resources.
· Project going on with implementation of innovative ideas, details to be updated soon.

Projects

Satellite Photogrammetry and its Applications — *Outreach Program* — *June 2020 – July 2020*

· Organised by Indian Institute of Remote Sensing under Indian Space Research Organisation.
· On Basics of GPS, DEM and its derivatives, Orthoimage generation, Satellite Photogrammetry.
· Followed by online Examination.
· Achieved knowledge on a wide range of softwares and devices.

Technical Skills

Programming Languages	**:**	C, Python, JavaScript, SQL, PHP
Web Development	**:**	HTML, CSS, Bootstrap
Sofwares	**:**	Microsoft Word, PowerPoint, Excel, Access
Tools	**:**	Git

Courses Undertaken

MMC-301: Metallurgical Thermodynamics and Kinetics   **ESC-332:** Economic Geology
MMC-302: Introduction of Metallurgy and Materials   **ECC-01:** Basic Electronics
MMC-303: Non-Ferrous Process Metallurgy   **CSC-01:** Introduction to Computing
MAC-331 : Engineering Mathematics   **PSC-01:** Engineering Physics

Honours and Awards

Certificate of Achievement   *Mohanpur, West Bengal* (*May-2020)*
   · Completed "COVID-19 Awareness Quiz Programme" organised by NSS-BCKV unit.