Shaon Dasgupta

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EDUCATION

International Institute of Information Technology, Hyderabad   August 2021 – May 2023
Master of Technology in Computer Science and Engineering   **(Ongoing)**

St. Thomas' College of Engineering and Technology, Kolkata   August 2014 – May 2018
(Affiliated with Maulana Abul Kalam Azad University of Technology)   **CGPA: 8.64**
Bachelor of Technology in Computer Science and Engineering

St. Teresa's Secondary School, Kolkata   April 2012 – May 2014
Indian School Certificate (ISC)   **91%**

St. Teresa's Secondary School, Kolkata   April 2010 – May 2012
Indian Certificate of Secondary Education (ICSE)   **88.28%**

EXPERIENCE

Software Engineer I   November 2020 - August 2021
Bentley Systems   Kolkata, India

- Responsible for tasks related to development, deployment and testing of projects based on the iTwin.js Platform.

Associate Software Engineer   June 2018 - October 2020
Bentley Systems   Kolkata, India

- Worked on four projects including MicroStation, STAAD.Pro and AssetWise as part of the on-boarding process.
- Have been responsible for tasks related to API Management, Static Code Analysis, Frontend and Backend Development with Testing in both Desktop and Web Applications.

Technologies Used : React.js, Typescript, Node.js, Electron.js, Azure DevOps, Kubernetes, Docker, Helm, Mocha, Chai, Sinon, C#, .NET Core, C++, WPF.

Industry Knowledge Gained: S.O.L.I.D. principles, Design Patterns, Static Code Analysis.

PROJECT WORK & PUBLICATION

A Comparison-free Hardware Sorting Engine

- Implemented a novel hardware sorting engine that sorts N elements in N clock cycles.
- Technology Used : ModelSim Software.
- Published in the 2019 IEEE Computer Society Annual Symposium on VLSI (ISVLSI).

SKILLS & CERTIFICATIONS

- **Subjects :** Data Structures and Algorithm, Object Oriented Programming, DBMS, OS.
- **Programming Languages :** C++, JavaScript, TypeScript, C#, Java, SQL.
- **Frameworks, Libraries & Environments:** React.js, Node.js, .NET Core, MySQL.
- Completed and got certified in Microsoft Azure Fundamentals - AZ 900.
- Completed certification program on Web designing using HTML and CSS by Microsoft Imagine Academy.
- Completed certification program on Python Programming Language by Microsoft IT Academy.