

VIDHU SHEKHAR TRIPATHI

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Education

BMS Institute of Technology and Management, Bengaluru, India 2017 - 2021

- Bachelor of Engineering (B.E) in Electronics Engineering | CGPA: **8.1/10**

The Cambrian School, Ayodhya, India 2016 - 2017

- CBSE (Class XII), Aggregate: **82.2%**

The Cambrian School, Ayodhya, India 2014 - 2015

- CBSE (Class X), CGPA: **10/10**

Skills

C++ | C# | C | HTML | XML | CSS | STL | SDL | AWS | MySQL | MFC | .NET | WFA | Python | Software Development | Git | Data Structures | Algorithm | Problem-Solving | Jenkins

Work Experience

Altimetrik

Software Engineer Sep'22 - Present

- Developed an application in **C++** language using Test Driven Development (**TDD**) framework
- Worked as Release Manager for the critical releases of the product and acted as **Jenkins** build officer of the team
- Interacted with Product-Owner on a weekly-basis to ensure the outcome is aligned

Associate Software Engineer Sep'21 - Sep'22

- Engineered modern applications using **C++**, **C#** and helped in accelerating the unit test coverage by **100%**
- Carefully designed, tested and built new features in the product to improve **UX**

Project Intern May'21 - Sep'21

- Assisted a tech giant in maintaining, debugging and fixing production bugs
- Engaged in software development utilizing wide range of technological tools using **VC++**, **MFC**

The Sparks Foundation

Web Development Intern Apr'21 - May'21

- Deployed and maintained a banking website on a hosted network using HTML, CSS, PHP
- Documented the entire flow of allowing authorized customers to transfer and receive money

CodeSpeedy

C++ Developer Intern Feb'21 - Apr'21

- Worked on projects in C++ and authored many articles on Algo/DS
- Solved students queries in DS and Algo

Projects

Morph Tool

A tool used by Tax Analysts July'22

- Designed, implemented and engineered an internal tool in **C#**
- The tool allowed us to modify the config files directly and reduced the manual time by **400%**

Underwater Object Detection using LI-FI Jan'21

A working model was created with the technology Light Fidelity

- Built a model that can identify an object underwater using **Blob Algorithm**
- The accuracy of the model was enhanced to **92%**

Particle Explosion May'20

A Simulation Program developed in C++

- Developed a dynamic graphical project using **C++**
- The additional library used in the program was **SDL** that provides various APIs

Academic and Extracurricular Achievements

- Received '**Customer Champion**' Award in Altimetrik, 2022
- Got highest marks in Mathematics 1: **98**, I Sem, VTU, 2017
- Selected in **.01%** merit of class X, CBSE Board, 2015

Positions of Responsibility

- Event Coordinator at Utsaha 2K19, Techno-Cultural fest of BMSIT College
- Volunteer at Fortis Blood Bank, 2K19
- Event Volunteer at Tekruthi 2K18, Department fest of BMSIT College