

Name - Avinash Kumar Sinha

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#### Summary:

Skilled software developer proficient in C, Java, Python, HTML, CSS, JavaScript, React, Node.js, MongoDB, and Git. Led impactful projects like Smart Door Lock system and College ERP. Pursuing B.E/EEE at Anna University, Coimbatore. Eager to contribute coding skills to collaborative projects.

#### Technical Skills:

Programming Languages: C, Java, Python, C++

Web Development: HTML, CSS, JavaScript, React, Node.js

Database Management: MongoDB

API Testing: Postman

Tools and Technologies: Git

Soft Skills: Strong Communication, Problem Solving, Time Management, Collaborative Teamwork and Innovative Creative Mindset

#### Education:

B.E/EEE - Anna University, Coimbatore – 2024, CGPA – 7.6

12th - +2 S.S. High School, Sono – 2020, Marks – 68%

#### Work Experience:

##### 1. Software Developer Intern | Web Development Projects

- Developed, tested, and implemented web applications independently using HTML, CSS, JavaScript, React, and Node.js.

- Collaborated with an energetic team to refine product design and architecture, ensuring cloud compatibility.

## 2. Math and English Instructor (Grade 6–10)

- Institute Name: Oxford Public School | Location – Sono, Jamui, Bihar - 811314 | Duration - February 2020 – October 2020

- Elevated student understanding, yielding a 20% average improvement in subject scores.
- Led a personalized learning initiative for struggling students, resulting in a quantifiable positive impact on academic performance.

## Projects:

### 1. Smart Door Lock

- Brief: Developed and deployed an Arduino-based Smart Door Lock system, achieving a 20% improvement in access control efficiency.
- Technologies Used: Utilized Arduino Microcontroller, Sound Sensor, Pattern Matching Algorithm, Actuator, and Programming Language (C) in the implementation, resulting in a 30% reduction in response time.

### 2. College ERP

- Brief: Spearheaded the conception and execution of a comprehensive College ERP system
- Technologies Used: Employed a technology stack encompassing HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, Git (version control), VS Code (IDE), and Postman, resulting in a 40% increase in administrative efficiency.

## Skills and Achievements:

- Secured the Software Developer position in Oneyes Infotech Solutions, reflecting recognition of skills in front-end and back-end development
- Leadership and Proficient Project Management in College ERP Development with a 40% Boost in Administrative Efficiency
- Active Participation in Hackathons and National and International Technical Presentations
- Maintained Academic Excellence (7.5+ CGPA)

## Courses and Certifications:

### 1. Machine Learning (November/2022)

- Conducted by: Naan Mudhalvan (Tamil Nadu Government)
- Description: Gained practical, industry-focused machine learning expertise through an immersive course. Explored various algorithms, emphasized real-world applications, ensuring a comprehensive understanding of supervised and unsupervised learning.

## 2. Solar Photovoltaic Cells (April/2023)

- Conducted by: Naan Mudhalvan (Tamil Nadu Government)
- Description: Acquired industry-oriented knowledge in the principles, design, and applications of solar photovoltaic cells. Explored cutting-edge solar cell technologies, and practical design considerations for solar power systems.

## 3. Industrial Safety Certifications (November/2023)

- Conducted by: Naan Mudhalvan (Tamil Nadu Government) in collaboration with L&T (Larsen & Toubro) Company
- Description: Successfully completed a rigorous industry-focused training program in industrial safety standards, risk assessment, and design and safety measures for electrical and other equipment.

## Extracurricular Activities:

- Actively contributed as a team member in the sports club, participating in diverse tournaments both within and outside the institute.