

Rajeev Shrestha

Koteshwor, Kathmandu | therajeevshrestha@email.com | (+977) 9746642540 | LinkedIn: shrestharajeev
GitHub: eclipsu | shrestharajeev.com.np

EDUCATION

Capital College and Research Center

Highschool (10+2)

Balkumari, Kathmandu

July 2022 – Aug 2024

- **GPA:** 3.76/4.00 (**Top 1%**)
- **Coursework:** Physics, Chemistry, Mathematics, **Computer Science**, English, Nepali

EXPERIENCE

PointZeroo

React.js Intern

Kathmandu, Nepal

Nov 2023 – Dec 2023

- Developed 7 react components for the EPS-TOPIK website, including question displays, timers, and result summaries
- Improved user experience for 200+ mock exam takers by implementing responsive design with TailwindCSS
- Reduced page load time by 21% for the MCQ interface by optimizing React component rendering and lazy loading
- Integrated REST APIs to interact with Django backend to display data dynamically using Axios and React hooks

Grand We Can Intl Academy

Computer Science tutor

Koteshwor, Kathmandu

Nov 2024 – Present

- Mentored 20+ year 10 students in mastering C programming, QBasic, DBMS by providing personalized feedback
- Increased classroom average by 15.2% by utilizing modern tools like PythonTutor to explain loops and function calls
- Collected and analyzed quizzes data to identify learning gaps and tailored lessons to address individual student needs, resulting in ¾ of students achieving their desired scores in SEE with highest score of 3.95 GPA a median of 3.65

PROJECTS

Linear System Solving Algorithms Benchmark

High School Class Project

Koteshwor, Kathmandu

Nov 2023 – Dec 2023

- Achieved 95% solution accuracy for linear systems by implementing Cramer's Rule, Matrix Inversion, and Gauss-Jordan Elimination algorithms.
- Reduced execution time by 40% for larger linear systems by implementing parallel processing
- Visualized performance metrics for systems by creating dynamic plots using Matplotlib
- Improved code maintainability for the project by modularizing equation generation, error calculation, and solution printing into reusable components

Pariwartan

Freelance work

Tikathali, Lalitpur

Jan 2021 – Feb 2021

- Developed a bulk file renaming application to automate file organization using ElectronJS for the frontend and Python for backend logic.
- Reduced manual file renaming time by 82% by implementing a script that renames files based on customizable criteria in metadata.json
- Optimized renaming performance for large datasets using efficient sorting algorithms

ACTIVITIES AND LEADERSHIP

CCRC Club of Aspirants

IT Head and Programming In charge

Koteshwor, Kathmandu

June 2023 – July 2024

- Led the school's first Integration Bee with 75+ participants by drafting proposals, securing Rs. 15,000 in sponsorships

Hebron Public School

Student body President

Koteshwor, Kathmandu

Jan 2021 – April 2022

- led 300+ students in assemblies and supervised 15+ house captains and presidents and organized parent-teacher meetings along with drafting memos, and coordinating sports events.

SKILLS

Programming: JavaScript, Python, HTML/CSS, SQL, Node.js, React.js, TailwindCSS, Bash

Tools: Visual Studio Code, IntelliJ, PyCharm, Supabase, Jupyter Notebooks, Git/Github, Bootstrap, Laravel