

Dinesh Chhantyal

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SUMMARY

Motivated Computer Science sophomore passionate about solving real-life problems through web development, data visualization, and mobile development. Actively involved in student clubs and professional alliances, contributing to collaborative growth in the tech community.

EDUCATION

University of Louisiana at Monroe

Monroe, LA

Bachelor of Science in Computer Science, Minor in Mathematics, GPA 4.0

Aug. 2022 - May 2026

- Relevant Coursework: Python, Java, OOP, Data Structure, Discrete Structure, Linear Algebra

EXPERIENCE

Student Web Developer

Jan. 2023 – Present

University of Louisiana - Monroe

Monroe, LA

- Integrated Microsoft Teams API into our web application for effective interaction between students and instructors, resulting in a 30% increase in user engagement,
- Enhanced user satisfaction by performing pre-publication testing to ensure impeccable quality and error-free webpages for 65% of the on-campus department achieving a 98% accuracy rate.

Software Developer

Oct. 2022 - May 2023

Clamphook

Lalitpur, NP

- Amplified student capacity by developing a Computer-Based Testing (CBT) platform handling up to 5,000 concurrent users through efficient shift management, resulting in 4-5 times spikes in student enrollment,
- Streamlined internal processes and productivity by creating an intuitive admin panel for content creation and management, reducing administrative tasks by 30%,
- Ensured robust deployment of frontend, admin panel, and backend components, including the successful launch of a mobile app on the Apple App Store, garnering 5,000 downloads within the first month.

Hardware and Software Intern

Jan. 2022 - March 2022

Baba Computer IT Solution

Pokhara, NP

- Diagnosed and resolved hardware issues in a school computer lab, thereby optimizing operational efficiency and reducing downtime by 40%,
- Assembled and restored 20 personal computers, delivering dependable hardware solutions for clients.

PROJECTS

CheerPal | *TypeScript, Nest.js, Flutter, PostgreSQL, Docker, Git*

Jan. 2024 – Present

- Leading a team of six for the development of a dynamic mobile application using Flutter, backed by Nest.js, with React.js powering the frontend,
- Implemented robust JWT-based authentication and authorization with role-based access control.

Trip Planner | *React, Google Cloud, Google Maps API, Redux, Vercel*

June 2023 – July 2023

- Developed a React-based trip planner application utilizing Google Maps API for route visualization,
- Utilized the Traveling Salesman Problem to find the shortest path based on both time and length factors

TECHNICAL SKILLS

- Languages: Java, Python, TypeScript, JavaScript, SQL, HTML/CSS, Dart
- Frameworks: React, Node.js, Next.js, Flask, Flutter, Material-UI, Django
- Developer Tools: Git, Docker, Google Cloud Platform, AWS, VS Code, SSH, Atlassian, Jupyter, OpenAPI
- Libraries: TailwindCSS, pandas, NumPy, Matplotlib, Manim

ACTIVITIES

- Google Developer Student Club, Web Director, University of Louisiana Monroe Aug 2023 – Present
- Association for Computer Machinery, University of Louisiana Monroe Aug 2022 – Present
- Nepal Computer Science Alliance(NCSA) , Board Member March 2021 – Sep 2022