

# Aashish Panthi

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## Education

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**Kalika Manavgyan Secondary School**, High School Computer Engineering May 2019 – Aug 2023

- GPA: 3.89/4.0
- **Relevant Coursework:** Computer Architecture, Programming in Java, Fundamentals of Digital System, Microprocessor, DBMS, Operating System, OOP, Web and Mobile App Development, C Programming
- **Honors and Awards:** Valedictorian, 1st in 11th grade, Received full tuition scholarship (x3)

## Technologies

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**Programming Languages:** JavaScript, HTML, CSS, TypeScript, C++, C, Java, C#

**Frameworks and Technology:** Nextjs, Reactjs, Tailwind CSS, Shadcn, Storybook, Express.js, Git, Docker, Postman

## Experience

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**Software Engineer**, Growth Agency – Sainte-Croix, Switzerland Feb 2024 – Present

- Worked with remote developers to make websites for non-profits and local businesses based in Switzerland
- Followed atomic architecture by building atoms, molecules, views, organisms, and stories. Used storybook to achieve that.
- Developed complex 2D SVG animations using typescript and GSAP in Nextjs
- Followed Agile methodology to work on projects: divided projects into modules and continuously improved in each cycle. Guided by Sprint Master.

**Software Engineer Intern**, Momayo Technology Pvt. Ltd. – Kathmandu, NP May, 2023 – Nov 2023

- Worked with the frontend development team to build the frontend of the student management system, which comes under UMIS of Lumbini Buddhist University
- Translated LBU University's website content into the Nepali language
- Built and maintained the website of Momayo Technology
- Designed and ran ad campaigns for a device tracking system through Facebook

**Lead Frontend Developer and Research Scholar**, Incubate Nepal – (Remote) USA Jun 2023 – Aug 2023

- Built a women-safety application in a team of 6 mentees among 270+ applicants
- Integrated Google Maps and heatmaps into the app with filters for different categories (crime, police stations, hospitals) in different provinces in Nepal; Added a form (with cosmos DB integrated) for crowdsourcing crime data from users
- Integrated WhatsApp and Viber for contacting emergency numbers; added camera and microphone recording features for quick access during an emergency.
- Added support for English and Nepali Languages

## Research

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**Sentiment Analysis of Product Reviews and Ratings on Daraz - A Study of Customer Perceptions in the Nepalese Ecommerce Market (Primary Author)** Jul 2023 - Aug 2023

*Aashish Panthi*, Bivek Bhandari

IJSRED-V6I5P137

## Projects

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**Search Engine**, Reactjs, Redis, Express, Puppeteer GitHub

- Scraped over 50k web pages using Puppeteer and stored into the Redis database, enabled Redis caching
- Developed my own crawling and ranking algorithms for effective crawling & indexing the search results

- Became runner-up at Dev.to x Redis hackathon (1/150+ projects).

**E-commerce products' price tracker**, React, Chartjs, Puppeteer, Nodemailer

GitHub

- Built a web app that tracked the price of products on popular e-commerce sites
- Built an email notification system to send email reminders once the product's price fell below the desired price.
- Visualized price history data in a time vs price graph.
- Won Build with Linode Hackathon(1/60 projects) and got featured on Akamai's site

**Data Nexus**, React, Chartjs, Python for ML

GitHub | Website

- Led team of 6 to build a federal data repository, combing data form several sites like USDA, NOAA, World bank.
- Visualized greenhouse emissions by country over various timeframes. Developed a machine learning model tailored for forecasting and identifying future high-risk areas for greenhouse gas emissions, such as CO2.
- Utilized the ARIMA model for time series forecasting and achieved decent precision in anticipating future emissions trends of Nepal using data from 1961 AD to 2020 AD.
- Secured 4th position during local judging of NASA Spaceapps Challenge 2023, Lalitpur.

## Awards & Honors

**Grand Winner, Blogging Competition:** Awarded MX Master 3 mouse by Hashnode & WeMakeDevs for best article among 480+ submissions

Oct 2022

**Second Prize, 4th Space Speech Competition:** Awarded Rs. 5k prize and a certificate by Nepal Astronomical Society

Apr 2023

**Winner, Blogging Competition:** Awarded \$100 + gift hampers by ReactPlay & Nhost for making an email tracker (1/82 projects)

Oct 2022

**Finalist, National Astronomy Olympiad:** Completed 3 rounds and selected to represent Nepal at Internation Astronomy Olympiad (IAO), 2023 at Beijing

Jul 2023

**Planted two trees (260 kg CO2 offset) in my name:** Hacktoberfest planted two trees in Tanzania as a recognition for contribution to 20+ open-source projects.

Oct 2022 & Oct 2023