

RAVI KUMAR PAJIYAR

COMPUTER ENGINEERING

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PROFILE SUMMARY

A highly skilled and fast-learning Computer Engineering student proficient in full-stack web and mobile development. With practical experience in AI integration and a strong grasp of data structures and algorithms, I am keenly interested in applying machine learning and data science to develop innovative solutions. I possess strong leadership qualities, excellent communication skills, and a commitment to continuous learning to make impactful contributions in the field.

PROFESSIONAL EXPERIENCE

Full Stack Web Development, Kathmandu University Youth Red Cross Circle Oct 2024 - Jan 2025

- Developed a full-stack website using React.js and Node.js, enhancing user experience and data management.
- Created responsive UI components for smooth navigation and accessibility.
- Optimized database structure, resulting in a 10% increase in site performance.

Internship, Yagya.ai

June 2024 - Nov 2024

- Developed UI components using React.js, contributing to the company's website.
- Collaborated with the UI/UX team to translate designs into working code.
- Improved component reusability, resulting in a 10% reduction in codebase size.

Mobile App Development, Engineers Without Borders Nepal KU Chapter

Nov 2024 - Present

- Developing cross-platform mobile application for supporting Autism based on real time interaction using React Native.
- Utilizing machine learning algorithms to improve user experience.
- Coordinating the development efforts with other team members

PROJECTS

ProjectNest - A web app to manage your projects

- Developed a MERN-based project management with role-based views for Admin, Supervisor, and Student.
 - Enabled task allocation, real-time chat, project tracking, and secure access with API integration.
- GitHub Link: <https://github.com/ravipajiyar/ProjectNest>

CourseCraft - A mern app based on generative AI to generate course

- Developed a MERN and Python-based web app using generative AI to create course modules for targeted subjects.
 - Integrated frontend & backend with Lama API for generating structured study modules & content.
- GitHub Link: <https://github.com/ravipajiyar/Course-Craft>

Health Lens - A mobile app that suggests to eat wisely

- Built a React Native mobile app with a Node.js and Express.js backend for personalized health and nutrition guidance.
 - Integrated AI-powered food scanning to analyze nutritional values and provide tailored dietary recommendations.
- GitHub Link: <https://github.com/ravipajiyar/HealthLens>

SKILLS

Programming: JavaScript, Python, C++
Mobile App Development: React Native
Databases: MongoDB, MySQL, PostgreSQL
Version Control: Git and GitHub
Interests: AI and ML, Software Engineering, CyberSecurity, Quantum computing
Soft Skills: Effective Communication, Flexible, Fast-Paced, Leadership

Frontend: React.js, Next.js, Tailwind
Backend: Node.js, Express.js, Websockets
AI Integration: Basic AI integration skills
Data Science: Associate Data Analyst

EDUCATION

Bachelor of Computer Science and Engineering
Kathmandu University
Graduation: **2025(expected)**

- CGPA: **3.5 / 4.0** (average of six Semester)

Higher Level School in Science
Kathmandu Model Secondary School
2018 - 2020

- CGPA: **3.51 / 4.0**

Secondary Level School(SEE)
Angel’s Secondary English Boarding School

- GPA: **3.65 / 4.0**

COURSES AND CERTIFICATIONS

Associate Data Analyst

- DataCamp

Python Programming and Intermediate Python

- DataCamp

Introduction to LLMs in Python

- DataCamp

Unsupervised Learning in Python

- DataCamp

JavaScript Core Concepts

- Scaler Topics

Introduction to Artificial Intelligence

- Coursera

ACHIVEMENTS AND HONORS AND ECA

Data Fellowship 2024 - Data Camp

- Selected for the Data Fellowship 2024 to advance skills in data science, supported by DataCamp,Sunway SRC, Sunway College Kathmandu, and KUCC.

Winner, Sustainable Development Category, Kuhackfest 2023

- We as a group memeber of 4 participated in the Hakathon organized by MLH and Won the Sustainable Devlepoment category for this project.

Hult Prize Participation 2024/2025

- We as a group memeber of 3 participated in the Hult Prize on Campus with our product Health Lens that aims to suggest people wisely aligning with SDG 3(Good Health and Well Being).

HOBBIES

- Meditation
 - Chess
 - Travelling
- Playing Pool
 - Cooking