



Rahul Chand

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ABOUT ME

I'm a software engineer with over 3 years of experience in building web applications. I enjoy solving problems and working with others to create useful software.

WORK EXPERIENCE

ASSOCIATE SENIOR SOFTWARE ENGINEER – JAVRA SOFTWARES – 01/03/2026 – Current – LALITPUR, NEPAL

- Owned backend services (Node.js/NestJS), improving stability and reducing production issues
- Built and refined APIs and MongoDB models with a focus on performance and clarity
- Reviewed code and guided juniors with hands-on feedback

SOFTWARE ENGINEER – JAVRA SOFTWARES – 01/01/2024 – 01/03/2026 – LALITPUR, NEPAL

- Working in HRLMs (Human Resource & Leave Management System) and AMS (Asset Management System) using (MEARN stack)
- Implemented Microsoft Authentication using MSAL for secure login
- Implemented module based authorization
- Working in micro-service architecture

JUNIOR SOFTWARE ENGINEER – JAVRA SOFTWARES – 01/01/2023 – 01/01/2024 – LALITPUR, NEPAL

- Assisted senior developers in development tasks
- Gained knowledge about containerization (Docker)
- Learned about versioning tools (Git and SVN)
- Implemented CICD for smooth deployment

SOFTWARE ENGINEER INTERN – JAVRA SOFTWARES – 01/03/2022 – 01/01/2023 – LALITPUR, NEPAL

- Learned and contributed to real-world codebases
- Gained hands-on experience with the MEAN stack for full-stack development
- Worked on internal tools and supported real-world client projects
- Improved understanding of web application structure and teamwork

EDUCATION AND TRAINING

2017 – 2022 Kathmandu, Nepal

BACHELORS OF COMPUTER ENGINEERING Kathmandu Engineering College

Core Subjects:

- Data Structures and Algorithms
- Object Oriented Programming
- Computer Graphics
- Artificial Intelligence

Website www.kecktm.edu.np | **Final grade** 73.44% | **Level in EQF** EQF level 6 | **Type of credits** ECTS | **Number of credits** 180

2015 – 2017 Mahendranagar, Nepal

+2 (HSEB) Radiant Higher Secondary School

● LANGUAGE SKILLS

Mother tongue(s): **NEPALI**

Other language(s):

| | UNDERSTANDING | | SPEAKING | | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
| | Listening | Reading | Spoken production | Spoken interaction | |
| ENGLISH | C1 | C1 | C1 | B2 | B2 |
| GERMAN | A1 | A2 | A1 | A1 | A1 |

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● SKILLS

Programming Language

C/C++ | Python | Typescript | Javascript

Frameworks & Libraries

React | Nest.js | Node.js | Express.js | Angular | Tailwind CSS

Databases

PostgreSQL | MongoDB

Tools & DevOps

Docker | CI/CD | Linux | Git

● PROJECTS

2025

IPL fantasy clone

Developed a fantasy cricket web application using the MEAN stack. Integrated real-time player and match data via a FAST API from cric-api. Implemented a custom point system to calculate fantasy scores based on player performance. Used Docker for containerization and deployment. To meet the tight deadline, certain components use static data, serving as placeholders for future dynamic enhancements.

2022

Diabetic Retinopathy Detection

Developed during the 7th and 8th semesters, this project focused on using Python, AI/ML techniques, and neural networks to detect diabetic retinopathy. Leveraged HTML and CSS for the user interface and SQL for database management. Demonstrates proficiency in AI/ML, neural networks, and web development technologies.

2021

Park Easy Web App

Developed during college, ParkEasy is a web application designed to streamline parking slot booking in crowded areas. Utilized Python (Django) for backend, SQL for database management, and HTML/CSS/JS/Bootstrap for frontend. Demonstrates collaborative problem-solving and proficiency in web development technologies.

2022 – CURRENT

HRM System

Tech Stack: Angular, Node.js, Express.js, MongoDB, TypeScript, MSAL (Microsoft Login), Docker

Role: Full-stack Developer

A human resource management system handling employee lifecycle, attendance, leave, appraisal and recruitment.

- Role-based access controls for HR/Admin/Employee roles
- Dynamic modules access controls for multiple locations
- Secure login using Microsoft Azure (MSAL)
- Collaborated with design team to implement in frontend

2023 – CURRENT

Asset Management System

Tech Stack: Angular, Node.js, Express.js, MongoDB, TypeScript, MSAL (Microsoft Login), Docker

Role: Full-stack Developer

Asset management system handling employee assets cycle, procurements, billings, purchase reports and requisition.

- Role-based access controls for Admin/Super-Admin/Employee roles
- Dynamic modules access controls for multiple locations
- Secure login using Microsoft Azure (MSAL)
- Collaborated with design team to implement in frontend

● HONOURS AND AWARDS

2017

Full Scholarship in Bachelors – Kathmandu Engineering College

Awarded full merit-based scholarship for Bachelor's degree in Computer Engineering.