

# Pankaj Bhattarai

Suryabinayak 04, Bhaktapur, Nepal

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## PROFILE

Passionate about leveraging my background in computer science, cybersecurity, and AI to pursue innovative research in Computer Science and contribute to advancing the field as a dedicated graduate candidate.

## EDUCATION

### B. Tech – Computer Science and Engineering

June 2024

*SRM Institute of Science and Technology, Chennai, India*

- specialization in Cyber Security.
- CGPA 9.43/10

### High School

2018

*DAV Sushil Kedia Vishwa Bharati English Secondary School, Lalitpur, Nepal*

- Physics, Chemistry, Math
- CGPA 3.79/4

## PRESENTATIONS

Detection of Pneumonia using Machine Learning, 5<sup>th</sup> International Conference on Information Management & Machine Intelligence (ICIMMI 2023) **December 2023**

## PUBLICATIONS

Pankaj Bhattarai, Dr. K A Varun Kumar, Dr. Balachandar T, and Rashmi Od.2023. Detection of Pneumonia Using Machine Learning. In International Conference on Information Management & Machine Intelligence (ICIMMI 2023), November 23–25, 2023, Jaipur, India. ACM, New York, NY, USA, 10 pages. <https://doi.org/10.1145/3647444.3652464>

## PATENT

AI BASED PLANT EXTRACT ANALYSING DEVICE TO IDENTIFY DISEASE

Design no **392971-001** Granted by The Patent Office, Govt. of India

## HONORS & AWARDS

Winning Team – SRM Smart Campus Hackathon

**February 2023**

Compex Scholarship – Government of India

**December 2020**

## MEMBERSHIPS

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Association for Computing Machinery (ACM)

## SKILLS

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**Programming :** C, C++, Python

**Web Development:** HTML, CSS, JavaScript(Node/Express), Python(Flask)

**Cloud:** AWS – EC2, Lambda, S3

**Design and Illustration:** Adobe Photoshop, Adobe Illustrator

**Other:** Linux, Database(MySQL, MongoDB)

## PROJECTS

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- Detection of Cyber Attacks on Internet Connected Vehicles
- AI Chatbot using NLP
- Face based authentication system based on Flask
- C Header for Vector Manipulation

## PROFESSIONAL DEVELOPMENT

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**Mentee**

**May 2022**

*Microsoft India*

- Selected as mentee for Microsoft Engage program and worked on face API based project under Microsoft Mentor.

## LEADERSHIP AND EXTRA CURRICULAR INVOLVEMENT

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**Co-Founder and General Secretary**

**June 2021- Present**

*Kalpabriksha Nepal*

- Established and leading a non-profit organization dedicated to youth upliftment in Nepal.
- Managing administrative tasks, organizing events, and collaborating with team members to achieve organizational goals.

**Team Lead**

**2022-2023**

*Networking and Communications Association, SRMIST*

- Organized several events and hackathons as a team lead at Networking and Communications Association at SRM Institute of Science and Technology.