Prabhakar Kafle

Linkedin: https://www.linkedin.com/in/prabhakarkafle/
Website: https://prabhakarkafle.com.np

Email : pkafle@mit.edu
Mobile : 857-999-7380
Cambridge, MA

EDUCATION

Massachusetts Institute of Technology — Cambridge, MA
Bachelor's of Science in Computer Science and Engineering; GPA: 5/5 — *May 2023*

- **Relevant Courses**: Distributed Systems, Database Systems, Operating Systems Engineering, Computer Vision, Algorithms Analysis and Design, Machine Learning, Probability, Computational Photography
- **Teaching Assistant**: Introduction to Machine Learning Course

EXPERIENCE

Balbix Inc. — San Jose, CA
Software Engineering Intern — *June- August 2022*

- Integrated Jira Ticketing system to the platform to enable customers to create Jira tickets of security issues directly from the Balbix dashboard with single click- down from more than 10 clicks (around 3 minutes).
  Skills: Apache Kafka, PostgreSQL

Document Processing Lab, MIT — Cambridge, MA
Undergraduate Research Assistant - Dr. Amar Gupta — *June 2021- May 2022*

- Enhanced deep-learning based multi-modal framework to automatically extract field of interest from real-life noisy invoices with 88% accuracy.
- Built an end-to-end web interface to interact with the document processing algorithms.
  Skills: OpenCV, Optical Character Reading (OCR), Machine Learning

Civic Data Design Lab, MIT — Cambridge, MA
Undergraduate Research Assistant - Prof. Sarah Williams — *February - August 2020*

- Designed a pipeline to pre-process and clean Call Data Records to gain insights on mobility patterns as a proxy to study the effectiveness of government lockdown.
- Programmed and deployed in AWS, the backend and APIs for Visualize NYC 2021 web interface to crowdsource and visualize vision for New York City before 2021 city election.
  Skills: Spark, PostgreSQL, Flask, AWS, Data Analysis

ExplainMIT (explain.web.app)
Team Member- User Interface/Experience focused — *January - August 2020*

- Built a collaborative online space for students and faculty to work together and teach in small groups.
- Ran trial in 3 MIT classes and used in one for the Fall 2020 semester with around 30 students.
  Skills: VueJS, Firebase, UI Design

LEADERSHIP ROLE

MITeri
President — *June 2022- May 2023*

- Organized monthly study breaks to celebrate Nepali culture and discuss current issues.
- Collaborated with organizations and individuals of Nepali background to foster sharing of ideas and collaboration in technical areas in Nepal.

TECHNICAL SKILLS SUMMARY

- **Skills**: Distributed Systems, Full Stack Development, Database Design, Machine Learning
- **Languages**: Python, Go, Java, JavaScript, C
- **Tools**: Flask, PostgreSQL, PyTorch, Git, VueJS