Prabhakar Kafle

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EDUCATION

- **Massachusetts Institute of Technology** — Cambridge, MA
  Candidate for Bachelor's in Science in Computer Science; GPA: 5/5 — *May 2023*
  - **Relevant Courses**: Database Systems, Operating Systems Engineering, Computer Vision, Algorithms Analysis and Design, Software Construction, Machine Learning, Probability, Computational Photography.

EXPERIENCE

- **Balbix Inc.** — San Jose, CA
  Software Engineering Intern — *June- August 2022*
  - Integrated Jira Ticketing system to the platform enabling customers to create Jira Issues of actionable directly from Balbix dashboard. This helps the platform automate accounting in the AAA (authenticate, authorize, accounting) cyber-risk framework.

- **Document Processing Lab, MIT** — Cambridge, MA
  Undergraduate Research Assistant - Dr. Amar Gupta — *June 2021- May 2022*
  - Enhanced a machine learning framework to understand and extract information from real-life noisy business invoices with high accuracy
  - Built an end-to-end web interface to interact with the document processing algorithms

- **Civic Data Design Lab, MIT** — Cambridge, MA
  Undergraduate Research Assistant - Prof. Sarah Williams — *February - August 2020*
  - Worked on pre-processing Call Data Records from a country to gain insights on mobility patterns to help form policies around COVID-19
  - Programmed and deployed in AWS, the backend and APIs for Visualize NYC 2021 web interface to crowdsource and visualize vision for New York City

MAJOR INVOLVEMENTS

- **MITeri**
  President — *June 2022- Present*
  - Organizing monthly study breaks to celebrate Nepali heritage and discuss current issues
  - Collaborating with organizations and individuals of Nepali background to foster sharing of ideas and collaboration in technical areas relevant to Nepal's context

- **Introduction to Machine Learning Course**
  Lab Assistant — *September 2022- Present*
  - Assisting students in understanding course materials. This involves helping them think through labs presenting application of machine learning concepts and holding office hours to help with concepts and homework.

- **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

TECHNICAL SKILLS SUMMARY

- **Skills**: Full Stack Development, Database Design, Machine Learning, Git, Image Processing
- **Languages**: Python, JavaScript, Java, C, SQL