

Mudit Lamba

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EDUCATION

University of California, Berkeley | College of Engineering

Graduation: May 2022

Major: Bachelor of Science in Electrical Engineering and Computer Sciences

GPA: 3.456/4.000

Coursework: Data Structures, Software Engineering, Computer Architecture, Designing Information Devices, Structure and Interpretation of Computer Programs, Discrete Math and Probability Theory, Linear Algebra

Awards: Forbes Under 30 Scholar, Class of 2018 Salutatorian, Mu Alpha Theta Log 1 Contest 20th Place

PROFESSIONAL EXPERIENCE

Project RISHI, UC Berkeley Chapter

Berkeley, USA

Director of Internal Development

May 2020 – Present

- Programmed points system using Excel to automatically record and calculate each club member's performance and designed stable matching-based program to assign members to project groups based on ranked preferences
- Fostered collaborative work environment on zoom through planned online activities and lead online recruiting

Asadel Technologies

Delhi, India

Software Engineer Intern

May 2020 – June 2020

- Worked with IMARECON team remotely to develop image analysis software to classify kinds of Pneumonia
- Used Python, Matrix filters, and Matrix Operations to manipulate image data to find patterns in skin images

UC Berkeley EECS Department

Berkeley, USA

Data Structures Academic Intern

Sep 2019 – Dec 2019

- Taught and assisted students at UC Berkeley in the course Data Structures (CS61B)
- Guided students to understand labs and homework assignments on data structures such as arrays and graphs

NEC Technologies India Pvt Ltd.

Delhi, India

System Integration Intern – Muzaffarpur SMART City Project

July 2019 – Aug 2019

- Worked with team on system integration creating a sustainable and cost-effective SMART city solution

Technical Experience

- **Tender Value ~\$25M**
 - Devised strategy to reduce company costs and maximize profit while keeping project price competitive
 - Demoed CCTV, intelligent traffic management, smart parking, and other technologies

BECIL Plus 91 Security Solutions

Delhi, India

Development Intern – SMART City Project

Jun 2017 – Aug 2017

- Worked with team to pitch SMART City solution for Rajasthan which included 10+ cities and airports

Technical Experience

- **CCTV and Social Media Solution ~\$20M**
 - Brainstormed incident reconstruction, CCTV video analysis, gait recognition, social media analysis solutions
 - Created presentation of solutions and demoed software which won the contract from Indian Government

RELEVANT PROJECTS

Hangperson Web Application

Berkeley, USA

Ruby on Rails/HTML/CSS

Aug 2020 – Sep 2020

- Created a service-oriented architecture based web app that allows users to play the game Hangman
- Used model-view-controller design and deployed cookie generation/session management to save high scores

SKILLS

Programming Languages: Python, Java, HTML/CSS, C, Ruby on Rails, Javascript, MATLAB, Assembly

Development: Multithreading, OpenMP, Intel SSD Tool, Testing, Agile Programming, API, Backend