

Shiven Mian

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EDUCATION

- SEPTEMBER 2019 – JUNE 2021 **University of California, Davis**
M.S. in Computer Science, GPA: 4.0 / 4.0
Advisor: [Prof. Matt Bishop](#)
- AUGUST 2015 – MAY 2019 **Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi)**
B.Tech. in Computer Science and Engineering
Advisor: [Prof. Ponnurangam Kumaraguru](#)

WORK EXPERIENCE

- JULY 2021 – PRESENT **Microsoft Corporation**
Software Engineer
 - Working in the Coherent Cross-Platform Experiences (CXE) team, part of the Office organisation. Manager: Khalef Hosany
- NOVEMBER 2019 – JUNE 2021 **University of California, Davis**
Graduate Student Researcher, Security Lab
 - Led development on SecTutor: a web-based Intelligent Tutoring System for Secure Programming education (NSF funded). One full paper accepted to [WISE 14](#). Advisor: [Prof. Matt Bishop](#)
- JUNE 2020 – MARCH 2021 **University of California, Berkeley / ICSI**
Research Assistant, Berkeley Laboratory for Usable and Experimental Security (BLUES)
 - Worked on ALVA: a project using Experience Sampling for studying users' privacy concerns of passive, always-listening smart devices. Mentors: [Nathan Malkin](#), [Alisa Frik](#), [Dr. Serge Egelman](#)
- JUNE 2018 – AUGUST 2018 **Carnegie Mellon University**
Research Intern, Robotics Institute
 - Developed SPOT: a Data Mining tool for guiding the iterative design process of Intelligent Tutoring Systems (ITS). Published work at [AAAI'19 \(link\)](#) and [AIED'19 \(link\)](#).
 - Developed FaceLogin: the login system for [RoboTutor](#), an ITS for kids in developing countries.
 - Peer reviewer for [RI Summer Scholars Journal 2018](#). Advisor: [Prof. Jack Mostow](#)
- JANUARY 2018 – MAY 2018 **IIIT-Delhi**
Teaching Assistant, CSE222: Algorithm Design and Analysis
 - Held weekly tutorials and office hours, and helped prepare and grade assignments and exams.
- AUGUST 2017 – MAY 2018 **IIIT-Delhi**
Undergraduate Researcher, Precog@IIITD
 - Studied fake-liking Collusion Networks and worked on a fake like detection tool for Instagram, as part of my Bachelor's Thesis. Published work at [WebSci'18 \(link\)](#). Advisor: [Prof. Ponnurangam Kumaraguru](#)
- JUNE 2017 – AUGUST 2017 **Singapore Management University**
Research Assistant, Livelabs Research Center
 - Developed a Computer Vision-based tool for analyzing crowd interactions with [video walls](#). Advisors: [Prof. Youngki Lee](#), [Prof. Rajesh Balan](#), [Mateusz Mikusz](#)
- APRIL 2016 – AUGUST 2016 **FOSSASIA**
Google Summer of Code developer
 - Worked extensively on several parts of [loklak](#): a distributed Social Media scraper, and [Susi](#): a rule-based AI powered by loklak data. A detailed gist of my work is [here](#). Advisor: [Michael Peter Christen](#)

OTHER PROJECTS

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| JUNE 2020 | Pong DQN | A PyTorch-based Deep Q-Network for playing the game of Pong |
| MARCH 2020 | tsvd4j | A Thread-Safety Violation detector for Java, inspired by Microsoft's TSVD |
| NOVEMBER 2019 | dshare | Blockchain-based decentralised web platform for storage sharing. |
| OCTOBER 2017 | Mobile HAR | Android app for Human Activity Recognition on resource-constrained devices. In top 5 projects, CSE577: Internet of Things (Fall 2017) , IIIT-Delhi |
| NOVEMBER 2016 | Efficient Load Balancing | Implementation and performance benchmarking of popular static & dynamic LB algorithms. Presented at FOSSASIA 2017 . |

SKILLS

Java, C/C++, Python, JavaScript PHP, HTML, CSS, MATLAB, MongoDB, SQL, Git
node.js, Android, React Native, Django, Flask, Solidity, PyTorch, Tensorflow, Keras, scikit-learn, Gephi, OpenCV

AWARDS AND MENTORSHIPS

- 2019 [AAAI'19](#) Student Abstracts Track Finalist (top 18 papers)
- 2019 Microsoft Research Travel Award + AAAI Student Scholarship, [AAAI'19](#)
- 2018 [Robotics Institute Summer Scholar](#) (35 selected from 800+) + [FICCI Scholar](#), Carnegie Mellon University
- 2018 Panelist, [AI4ALL Summer School](#), Carnegie Mellon University
- 2017 Coach, [Team Gemini](#), Rails Girls Summer of Code 2017 (one of 20 teams selected)
- 2016 Mentor for [FOSSASIA](#), [Google Code-in 2016](#)
- 2012 Junior Science Talent Search Scholar, Government of Delhi, India