

LUTHRA MILIND VIKAS

Third Year Undergraduate, CSE, IIT Kanpur | ☎ +91-9767235556 | ✉ milindl@iitk.ac.in | 🏠 milindl.org | 🌐 milindl

EDUCATIONAL QUALIFICATIONS

2015-Present	BTech, Computer Science and Engineering	Indian Institute of Technology, Kanpur	CPI: 9.9/10
2015	HSC, Maharashtra Board	Dr.Kalmadi Shamrao High School, Pune	87.54%
2013	AISSE, CBSE	SES Gurukul, Pune	CGPA: 10.0/10.0

ACADEMIC ACHIEVEMENTS

- **Academic Excellence Award** for the year 2015-16 for exceptional performance.
- Attended **Vijyoshi**, December 2015, a National Science Camp which provides a forum for interactions between bright young students and leading researchers.
- Qualified **JEE Advanced 2015** All India Rank **934**.
- Qualified **Kishore Vaigyanik Protsahan Yojana 2015**.

PROJECTS

CODE.FUN.DO

September 2015

- Developed an app to help connect teachers (college students) and learners (underprivileged children) based on their preference.
- Was adjudged as one of the **best five ideas**.

Mafia WebApp

September 2016

- Made a companion webapp for the popular party game Mafia using Python and JavaScript.
- Implemented **RFC6455** (WebSocket protocol) in Python.
- Wrote a server in Python, a web-based frontend. Later extended this to write an Android App as a part of Google DevFest 2016.
- **Github**: milindl/mafia-reloaded

Autonomous Chess Playing Robot+

Winter 2015 • Robotics Club, IITK

- Worked on image processing code for an autonomous chess playing robot, used OpenCV 2.4.
- Detected chess piece location and movement.
- **Github**: milindl/acpr

Dashboard Extension/WebApp

March 2017 • InterIIT Tech Meet

- Developed an extension for Chrome and Firefox, and a web UI for a dashboard for IITK students to act as a centralized umbrella for various services.
- Used a microservices based architecture using JSON RPC.
- The backend used Golang, NodeJS and Python, and the frontend Angular2.
- Adjudged the **first** amongst all IITs taking part
- **Github**: yashsriv/beethoven

CO-CURRICULARS

- Coordinator 2017-2018, Programming Club, IITK
- Secretary 2016-2017, Programming Club, IITK
- Secretary 2016-2017, Debate Society, IITK
- Participant, IITPD (*IIT Delhi, 2016*)
- Participant, NUJS PD (*Kolkata 2017*)
- Within top 15 teams in India in CSAW'16 CTF

SKILLS

- **Languages**: JavaScript, Python, Java, C/C++
- **Frameworks/Technologies**: Angular, NodeJS, SQL, MongoDB, OpenCV
- **Utilities**: GNU Coreutils, Git/Mercurial, Emacs, L^AT_EX, Linux (Arch/Debian), Shell
- **Exposure**: Ruby on Rails, Docker

OPEN SOURCE CONTRIBUTIONS

- Contributed to the Toolkit component used by Mozilla Firefox (Bookmarks and History, and OS.File).
- Code pushed to mozilla-central.
- Bugzilla profile.

RELEVANT COURSES

Introduction to Programming ¹, Discrete Mathematics, Introduction to Logic, Abstract Algebra, Data Structures and Algorithms, Probability and Statistics, Computer Organization, Algorithms II², Operating Systems², Theory of Computation²

¹: A* grade, exceptional performance. ²: Ongoing.