Shivanshu **Singh**

THIRD YEAR UNDERGRADUATE · MECHANICAL ENGINEERING

Indian Institute of Technology, Kanpur

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Education

Indian Institute of Technology, Kanpur   *Kanpur, India*
B. TECH. IN MECHANICAL ENGINEERING   *2014 - PRESENT*
- **CPI: 8.6**

Achievements

2016   **Best Tech App**, E-cell, IIT Kanpur   *Kanpur, India*
2014   **Top 97.09 percentile**, JEE-Advanced   *India*

Skills

Programming	C/C++, Python, Java, JavaScript
Operating Systems	Arch Linux, Kali Linux, Ubuntu, Windows
Software and Utilities	Linux shell utilities, MatLab, Android Studio, Vim, Git, Inventor, LaTeX

Projects

Cultural Affairs Council Website   *IIT Kanpur*
CULTURAL COUNCIL, IIT KANPUR   *Sep. 2016 - PRESENT*
- Implemented RESTful API server for car rental booking application(CARPLAT in Google Play).
- Developed the Payments module which connected to major PG(Payment Gateway) companies in Korea.

hashtag, Android App   *IIT Kanpur*
HACKATHON, E-CELL, IIT KANPUR   *Oct. 2016*
- Lead engineer on agent-less backtracking system that can discover client device's fingerprint(including public and private IP) independently of the Proxy, VPN and NAT.
- Implemented a distributed web stress test tool with high anonymity.
- Implemented a military cooperation system which is web based real time messenger in Scala on Lift.

Extracurricular Activity

Web Executive   *IIT Kanpur*
CORE TEAM MEMBER, CULTURAL COUNCIL, IIT KANPUR   *Sep. 2016 - PRESENT*
- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

Courses

Data Structure and Algorithms	Fundamental of Computing
Computer Systems Security*	Digital Switching
Applied Game Theory	Machine Learning
Introduction to Logic	Robot Motion Planning

Miscellaneous

- Blog about linux, programming in general at r4ndombits.me