KULDEEP SINGH

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EXPERIENCE

Software Engineer
NXP Semiconductors

📅 July 2019 – Present ⚲ Noida, India

– Upstreaming activities of flash memories (spi-nand/nor) on open-source projects: Linux mainline kernel and U-boot bootloader.
  • Contributions are available under Honors/Awards section.
– NXP openssl patch migration to latest version.

Technical Intern
NXP Semiconductors

📅 Jan 2019 – June 2019 ⚲ Noida, India

– Achieved improvements in NXP core systems software.

Teaching Assistant
Indraprastha Institute of Information Technology, Delhi

📅 July 2017 – Dec 2018 ⚲ New Delhi, India

– Assisted instructor(s) in conducting lectures, lab , assignments, and tutorials for the courses: CSE 101 (Linear Algebra), CSE 102 (Data Structures), CSE 545 (Foundations of Computer Security)

EDUCATION

Master of Technology
Indraprastha Institute of Information Technology, Delhi
GPA: 7.23

📅 July 2017 – July 2019 ⚲ New Delhi

Bachelor of Technology
Atma Ram Sanatan Dharma, University of Delhi
GPA: 82.78%

📅 June 2013 – May 2017 ⚲ New Delhi

ACHIEVEMENTS

• Silver medal in Hackerrank (contest), Week of code 22.
• Active contributions to open source projects.
• Secured AIR 1091 in GATE 2017.

STRENGTHS

Linux Git Android Vim Latex
Mobile Devices & Applications Bash
MySQL C C++ Java Python
Golang IntelliJ Systems U-boot
SPI Open Source numpy pandas

HONORS & AWARDS

• *Linux Kernel Contributions*
• *U-boot Bootloader Contributions*
• Appreciation certificates for up-streaming activities.

SOFT SKILLS

Team Work Responsible Agile
Hard Working Presentation

PROJECTS

Blockchain
• Aims at understanding bitcoin and blockchain technology.
• Implemented consensus mechanism in goofy and scrooge coins.

GuestStay: Room Allocation App
• Visualized and developed a feasible android app for IIITD guest room allocation.
• App facilitates room booking for students and faculty with cash as mode of payment.

Personality Prediction
• Aims at classifying personality of user into 16 types of classes for analysis purpose.
• Use methods like SMOTE, resampling techniques etc. for imbalanced dataset.

Secure Banking System
• Developed secure baking system to facilitate secure transactions and banking.
• Implement security features like PKI, OTP and make system secure against XSS, Sql injection.

Decentralized voting application
• Implemented own smart contract to automate voting process.
• Developed decentralized application to provide voting interface.