Suyash Mahar

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A-140 Rajiv Bhawan, IIT Roorkee, Roorkee, India

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
B.Tech. in Electronics and Communication Engineering
Expected Jul. 2020 | Roorkee, India
CGPA: 9.149/10

INSPIRATION SENIOR SECONDARY
94% Central Board of Secondary Education
Grad. May 2016 | Haldwani, Uttarakhand

LINKS

GitHub:// **suyashmahar**
LinkedIn:// **suyash-mahar**
Twitter:// **@suyashmahar**

SKILLS

PROGRAMMING
JAVA • C++ • MatLab • Python
C# • LaTeX • Verilog • SPICE
Familiar:
MIPS Assembly • Bash • NSIS Scripts
Emacs Lisp

SOFTWARE
Android Studio • Visual Studio • MatLab
Inkscape • Emacs

COURSEWORK

• Data Structures and Algorithms
• Computer Architecture and Microprocessor
• Digital Logic Design
• Semiconductor Devices

PROJECTS

TRIANGLIFY | LEAD CONTRIBUTOR
Apr 2017 – Jun 2017 | Java & Android
- Developed custom view library for Android that generates triangle arts.
- Implemented completely using *MVP* architecture.
- Over 100 stars on GitHub.

CLIPBOARDER | DEVELOPER
2016 – 2017 | C#.NET, NSIS scripts & Batch
- Created feature rich clipboard manager for windows.
- Selected for SDSLabs Winter of Code 2016
- Developed using C#.NET and Microsoft Visual Studio.

32 BIT RISC PROCESSOR | CREATOR
Jun 2017 – present | Verilog, Python & β Assembly
- Implemented 32 MIT 6.004 architecture β processor
- Developed simple assembler, disassembler & small OS.

ACADEMIC PROJECTS

FPGA IMPLEMENTATION OF CORDIC ALGORITHMS
SHORT PROJECT

May 2017 – June 2017 | IIT Roorkee, India
Worked with **Sidharth Thomas** under **Prof. Bishnu Prasad Das** to study and implement **CORDIC algorithms** on FPGA.

DESIGNING FIB FOR NDN ROUTERS | UNDERGRADUATE RESEARCHER

Jul 2017 – present | IIT Roorkee, India
Working under **Prof Vaskar Raychoudhury** to research ways of implementing forwarding tables in high speed routers using FPGA.

AWARDS & ACHIEVEMENTS

2017	Dedicated Member award NSS, IITR
2016	**AIR 1387**, Joint Entrance Exam (Advanced)
2015	Intl. Cyber Olympiad (Olympiad Rank **11**) by SilverZone
2014	Winner inter school quiz competition

CAMPUS GROUPS

Mobile Development Group, IIT Roorkee	Android Developer
IEEE Special Interest Group, IIT Roorkee	Member