AMAN DUBEY

Third Year Student (B.E) ◇ Computer Engineering
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OBJECTIVE

To work in such a position which demands all my technical skills in different fields that can explore me and can realize my potential of being innovative and creative, so that I can excel in any field with hard work, perseverance and dedication.

EDUCATION

Qualification	Institute	Board/University	Year of passing	CGPA/ Percentage
B.E (CSE)	ARMY INSTITUTE OF TECHNOLOGY, PUNE	University of Pune	2018	74.04% (till 3rd Semester)
Class 12th (AISSE)	KENDRIYA VIDYALAYA No. 1, DELHI CANTT, NEW DELHI	CBSE	2013	86.6%
Class 10th (AISSE)	KENDRIYA VIDYALAYA No. 1, DELHI CANTT, NEW DELHI	CBSE	2011	9.8(cgpa)

INTERNSHIPS /TRANING

Netaji Subhas Institute of Technology, New Delhi   Dec 2015-Jan 2016

Trainee, Texas Instruments Centre for Embedded Product Design
Guide: Prof. DV Gadre, Associate Professor, NSIT, New Delhi

- Worked as a trainee on BeagleBone Black under Texas Instruments **Winter Internship Programme** on Microcontroller based Embedded System Design.
- Worked on an IoT based project named 'SMART DOORBELL'.

KEY PROJECTS

Traffic Forecast   Mar 2016

- An IoT based project which uses Raspberry Pi/BeagleBone Black, Android App and Image processing.
- Project's main aim was to provide traffic data statistics along with photos of traffic to the user at real-time. Second objective of the project was to control timers using image processing.
- RasPi/BeagleBone will send the calculated data to the server, which would be used to control the timer and at the same moment user can also extract data from server.

Smart Doorbell
Dec 2015-Jan 2016

Winter Internship Project, NSIT, New Delhi
Guide: Prof. DV Gadre, NSIT, New Delhi
- An IoT based project on BeagleBone Black.
- Main idea behind this project was to build a smart doorbell which is capable of clicking photos, recording audio and creating an alarm system with notification alerts on WhatsApp having picture and audio of the visitor.
- For communication between BeagleBone Black and WhatsApp, yowsup API(a python library) has been used.

RESEARCH PAPER

Effect Of Electrode Shape On The Parameters Of Supercapacitor
Guide: Prof. P B Karandikar, AIT, Pune
- This paper was written to determine the effect on parameters of supercapacitor by changing shapes of the electrode. To see the effect, all other parameters such as area of electrode, carbon loading, concentration of electrolyte was kept constant.
- IEEE paper was published in an International Conference on Instrumentation and Control [ICIC-2015], proceeding of IEEE, held at College of Engineering, Pune.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES - C, C++, Python, Java, Shell Scripting, HTML, CSS, Processing
PLATFORMS - Arduino, BeagleBone Black, x86
OPERATING SYSTEMS - Linux (Ubuntu, Fedora), Windows
TOOLS - Eclipse IDE, Android Studio, Qt Framework

ACHIEVEMENTS

- Our team was among top 10 teams in all over India after competing with 150 teams in Hackathon organized at **IIT-BOMBAY** under **MAKE IN INDIA WEEK.**
- Awarded with **Special Jury Award** at **India@75 Hackathon** organized by CII.
- Won "**HACKING BAD**", Hackathon organized in college.
- Won "**ALGOHOLICS**" and "**CODE PUZZLES**", C++ coding events organized at Cummins College, Pune.
- Won "**NFS**" gaming event, in Aakriti (cultural tech-fest) organized by college.
- Participated in "**ENTREPETHON-2014**" (ENTREPRENEURSHIP PROGRAM).
- Received merit Scholarships under Education Scholarship Scheme for Army (ESSA) by Indian Army for excellence in academics in the year 2011, 2015.

EXTRA CURRICULAR ACTIVITIES

- Attended the International Conference on Industrial Instrumentation and Control (ICIC) 2015 organized by Department of Instrumentation & Control, COEP during May 2015.
- CSI(Computer Society of India) student member
- Member of "OSS Club" at Army Institute of Technology, Pune.
- Participated in various inter- and intra- college technical and non-technical competitions.
- Volunteered Amethyst-2015 conducted at Army Institute of Technology, Pune.
- Attended 2-days Workshop on Arduino Automation and Line-tracing bot design at AIT, Pune.
- Sports interests include Volleyball and Badminton.
- Interests include coding, gaming and learning new things.