

# AMAN DUBEY

Army Institute of Technology, Pune-15, Maharashtra, India

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<http://www.amandubey.com>

## EDUCATION

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<b>Army Institute of Technology, Pune (University of Pune)</b> <i>Bachelor of Engineering (Computer Engineering), 6<sup>th</sup> Semester</i> Overall Percentage: 73.05% (First Class with Distinction)	2014-2018
<b>Kendriya Vidyalaya No. 1, Delhi Cantt-10 (AICTE)</b> <i>CBSE, Class XII (Physics, Chemistry, Mathematics, Computer Science)</i> Percentage: 86.6%	2012-2013
<b>Kendriya Vidyalaya No. 1, Delhi Cantt-10 (AICTE)</b> <i>CBSE, Class X (Science, Mathematics and English)</i> CGPA: 9.8	2010-2011

## INTERNSHIPS

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- **Uber Diagnostics, Bangalore** Dec 2016-Jan 2017  
*Intern, Android App Developer*
  - Project: **'Patient MediTracker App under suite of MediTracker Apps'**.
  - Developed an App for patient's support, integrating web services and ensuring data privacy.
- **Netaji Subhas Institute of Technology, New Delhi** Dec 2015-Jan 2016  
*Research Intern, Texas Instruments Centre for Embedded Product Design*
  - Project: **'Smart Doorbell'**.
  - Developed an IoT-based Home Automation project under Texas Instrumentation Winter Internship Programme.

## PROJECTS

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- **Traffic Forecasting App (IoT Project)**
  - Main aim of project was to manage traffic at intersection by controlling timers and broadcasting real-time statistics.
  - Data generated & broadcasted by using BeagleBone Black, Android App, Database Management & Image Processing.
  - Appreciated at **'Make in India Hackathon-2016'**, inaugurated by Hon'ble Prime Minister Narendra Modi.
- **Parking Security & Capacity Management (IoT Project + Data Analytics)**
  - Prototype designed to automate Infosys Multilevel Parking system for efficient use of parking spaces.
  - Includes features like App facility, OCR scan of number-plate, alert authority, display capacity, reserved parking etc.
  - Won 1<sup>st</sup> position at **'Infosys Techzooka Hackathon'** at National Level, 2016.
- **Smart Doorbell (IoT Project)**
  - IoT based Home Automation project capable of clicking images and recording audio of the visitor, also it creates alarm system with notification alerts on WhatsApp.
  - Utilised WhatsApp Yowsup API for communication between ARM A8 based BeagleBone & WhatsApp.
- **Krishi Kalyan (IoT Project + Data Analytics)**
  - Analysis & prediction of past 100 years of weather data using Hadoop concepts & storing the results on server.
  - Using precision agriculture techniques, real-time soil monitoring system was designed to provide soil conditions.
  - Comparing weather and soil data, most suitable crops and its real-time conditions will be given to farmer.

Complete details of other projects at <http://www.amandubey.com>

## IEEE RESEARCH PAPERS AND PUBLICATIONS

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- 'Implementation of an Intelligent Traffic Control System and Real Time Traffic Statistics Broadcasting', **Aman Dubey**, Akshdeep, Sagar Rane, **International Conference on Electronics, Communication and Aerospace Technology [ICECA 2017]**, proceedings of IEEE, 20-22 April 2017, RSV Technical Campus, Coimbatore, TN, India.
- 'Design of IoT Based Intelligent Parking System Using Image Processing Algorithm', **Aman Dubey**, Tejisman Parida, Sagar Rane, **International Conference on Computing Methodologies and Communication [ICCM 2017]**, proceedings of IEEE, 18-19 July 2017, Surya Engineering College (SEC), Erode, TN, India
- 'Effect of Electrode Shape on the Parameters of Supercapacitor', **Aman Dubey**, Adarsh Pal Singh, Niteesh Tiwari, P B Karandikar, **International Conference on Instrumentation and Control [ICIC]**, proceedings of IEEE Conference, May 2015, COEP-Pune.

## TECHNICAL SKILLS

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<b>Programming Languages</b>	:	C, C++
<b>Database</b>	:	MySQL
<b>Platforms</b>	:	BeagleBone Black
<b>Operating Systems</b>	:	Linux (Ubuntu, Fedora), Windows
<b>Tools</b>	:	Eclipse IDE, Android Studio

## CERTIFICATION AND COURSES

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- **Data Structures** course by **University of California, San Diego & Higher School of Economics** on **Coursera**. Certificate earned on September 13, 2016 by obtaining 83%. Coursera Certificate link with licensed no-UCNKPC23ATH4: <https://www.coursera.org/account/accomplishments/certificate/UCNKPC23ATH4>.
- Completed **Implementation of Data Structures** course by **IITBombayx** with good grades. Certificate available at <https://verify.iitbombayx.in/cert/3fd985d7333c45e6bddf0b8ea63d813f>.

## AWARDS AND ACHIEVEMENTS

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- **Scholastic Achievements**
  - Merit Scholarship by Indian Army under Education Scholarship Scheme for Army(ESSA) for excellence in academics in the year **2011, 2015**.
- **Appreciated at ‘Make in India Hackathon’ 2016 held at IIT Bombay**
- **1<sup>st</sup> Position winner at Infosys Techzooka National Level (12-hour) Hackathon**
- **Won ‘Best Jury Award’ at INDIA@75 Hackathon(24-hour) organized by CII**
- **1<sup>st</sup> position winner in Hacking Bad (48-hour Hackathon)**
- **Qualified for ACM-ICPC 2016 Regionals with team rank 284 out of 1600 contesting teams**
- **1<sup>st</sup> position winner in ‘ALGOHOLICS’ & ‘CODE PUZZLES’, C/C++ Coding Competitions held at Cummins College, Pune**
- **Won Paper Presentation Competition three times in state-level events at different colleges**
  - **1<sup>st</sup> Runner-up** in **IEEE** format paper presentation competition (2016) held at PICT College, Pune.
  - **1<sup>st</sup> Runner-up** in **VULCAN-1 (2016) & VULCAN-2(2017)**, paper presentation competition held at AIT, Pune.
- **1<sup>st</sup> position winner twice in NFS (Gaming event) at AIT, Pune in 2016, 2017.**
- **Qualified for final round at National level ‘Smart India Hackathon, 2017’.**

## EXTRA CURRICULAR

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- ACM (Association for Computing Machinery), Student Member.
- CSI (Computer Society of India), Student Member.
- Attended **2 international IEEE conferences** at COEP, Pune and RSV Technical Campus, Coimbatore.
- **Sports interest** include Volleyball & **Other interests** are Coding, Gaming and thinking of innovative ideas.

## POSITION OF RESPONSIBILITY

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- **Technical Head** of Computer Branch at Army Institute of Technology, Pune.
- **Event Head** of inter-college coding competition held at AIT, Pune.