

Dewesh Agrawal

Senior Year Undergraduate Student, Roll Number - 10CS30018
Department of Computer Science and Engineering
Indian Institute of Technology, Kharagpur

C-329, Azad Hall
IIT Kharagpur
West Bengal - 721302, India
Mobile: +91 9474828361
Email : deweshiitkgp@gmail.com

EDUCATION	<ul style="list-style-type: none">• Indian Institute of Technology, Kharagpur Kharagpur, India Bachelor of Technology, Department of Computer Science and Engineering 2010 – 2015 CGPA: 8.23/10 (after 8 semesters)• K.B.R. College Cuttuck, India Class XII, Council of Higher Secondary Education, Odisha 2009 Performance: 82.66%• S.S.V.M. Saintala Bolangir, India Class X, Board of Secondary Education, Odisha 2007 Performance: 90.13%
RELEVANT COURSES	Algorithm I & II, Computer Graphics, Image Processing, Computational Geometry, Computational Number Theory, Artificial Intelligence, Information Retrieval, Speech and Natural Language Processing, Compilers, Operating Systems, Database Management Systems, Computer Networks, Software Engineering, Cryptography, Object Oriented System Design, Advanced Graph Theory.
SUMMER INTERNSHIP	<p>Title: <i>PDF Editor Prototype Development</i> May-July 2014 ARC document solutions, Kolkata, India Mentor: Dr. Prasenjeet Mandal</p> <ul style="list-style-type: none">• Studied the pdf file specification and the libraries available to parse pdf files.• Extended the PDF viewer engine to support annotation and developed modules for embedding and rendering 3D files in the pdf. <p>Title: <i>User Compensation Admin Tools Development</i> May-July 2013 Electronic Arts Inc., Hyderabad, India Mentor: Mr. S.V. Reddy</p> <ul style="list-style-type: none">• Worked at all play studio and developed administration tools for the mobile game, Monopoly Hotels to compensate users loss of data. <p>Title: <i>Android Game Development and Engine Review</i> May-June 2012 InoxApps, Delhi, India Mentor: Mr. Rachit Jain</p> <ul style="list-style-type: none">• Coded two games, one based on Super Mario and another on flying a helicopter through obstacles for Android OS and Html 5.
PROJECTS	<p>Title: <i>Image Searching in PDF</i> May 2014 - Present Indian Institute of Technology Kharagpur (Masters Thesis Project) Guide: Prof. Partha Bhowmick</p> <ul style="list-style-type: none">• Working on development and design of a system to search relevant images in a pdf file. <p>Title: <i>A New Method for Image Stitching</i> July 2013 - April-2014 Indian Institute of Technology Kharagpur (Bachelor Thesis Project) Guide: Prof. Partha Bhowmick</p> <ul style="list-style-type: none">• Developed and designed of a new strategy for image stitching using the bending nature of curves. <p>Title: <i>Citation Profiling For physics papers</i> July 2014 - Present Indian Institute of Technology Kharagpur</p> <ul style="list-style-type: none">• Working profiling the millions of physics papers collected to profile the citation to see the relevance of their nature and its impact on H and I index. <p>Title: <i>3D Pool Game</i> march 2014 - April 2014 Indian Institute of Technology Kharagpur (Term Project)</p> <ul style="list-style-type: none">• Created a 2 player 3D Pool game using OpenGL and made a 3d collision simulator module for the same.

Title: ***Learning Latent Personas From Movie Summary*** Aug - Novl 2013
Indian Institute of Technology Kharagpur (Term Project)
Guide: Prof. Sudeshna Sarkar

- Made a automated learning system which takes a movie name and looks for wikipedia summery to find out the good characters and the bad characters in the movie.

Title: ***Online Judge for Algorithmic Problems*** March - April 2013
Indian Institute of Technology Kharagpur (Term Project)
Guide: Prof. Pabitra Mitra

- Developed a web based application for automated evaluation of computer programs written in C/C++/Java. The application takes submission from user as a solution to some problem and compiles and executes on local system and show the result to the user.

Title: ***Facebook Timeline Search Application*** January - February 2013
Indian Institute of Technology Kharagpur (Term Project)
Guide: Prof. Pabitra Mitra

- Developed a web based application using Facebook API, which provides search feature to user for their Facebook timeline.
- User can search posts, comments, likes, videos and photos for any particular word in any time limits.

Title: ***Path Planning for Emergency Situation*** Feb 2013
Hack You, 2013

- Using Google maps api and foursquare api for rating information of places and deciding the best possible path in case of a panic situation.

Title: ***Voice controlled file browser*** Feb 2012
Indian Institute of Technology Kharagpur (Inter Hall Opensoft)

- A file browser controlled totally by voice input from the user, coded in c# using the Microsoft speech library.

SKILLS

- Operating Systems: Windows, Linux(Ubuntu)
- Programming Languages: C, C++, Java, Python and PHP
- Database Languages: SQL (SQLite, MySQL)
- Development Environments: Netbeans, Eclipse, Microsoft Visual Studio.
- Designing Softwares: Photoshop, 3d's-Max, Blender , AutoCAD
- Library and frameworks : OpenCV, OpenGL, SlimDX, LibGdx

POSITIONS OF RESPONSIBILITY

- Teaching Assistant, Natural language Processing Autumn-2014
– Was assigned teaching assistant for Dr. Pawan Goyal and helped him in smooth running of the course.
- Head, Robotix Winter Workshop, Dec-2011
– Headed a group of 10 students to successfully complete the project Allegiance.
- Member of Bitwise organising and publicity team 2012
– Designed logo, template of website, brochure for Bitwise 2011 attracting 5200 participants from 80 countries and resulting total grant of more than \$4000 from our sponsors.

EXTRA-CURRICULAR ACTIVITIES

- Secured a position in top 6 in India the event Overnight, Algorithm intensive coding competition, certified by ACM, organised by Khsitij, 2013.
- Secured the 3rd place in Nightshift , certified by IMechE organised by Khsitij, 2013.
- Part of ad-design team for the inter hall events of Azad hall.
- Participated in Hack-You 2013 and 2012, organised by Yahoo.
- An active member of Kharagpur Robotix And Artificial Intelligence Society.
- Participated in Robo-Soccer, 2010 organised by Robotix , IIT Kharagpur.
- As a part of National Service Scheme in my sophomore year, taught the rural unpreviledged students and conducted cultural activities.
- As a part of National Cadet Corps in my freshman year, learnt the skills of rifle firing, fire fighting.