**Nilavra Bhattacharya**

3rd Year Undergraduate Student,(B.E.), IIEST Shibpur

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| **ACADEMIC RECORD** | | | | | | | | |
| **Degree** | | | | **Year** | **University/Board** | **CGPA/Percentage** | | |
| B.E. Computer Science & Technology | | | | 2011 – present | I.I.E.S.T, Shibpur | **8.74/10** | | |
| Indian School Certificate | | | | 2011 | C.I.S.C.E, New Delhi | 96.25 | | |
| Indian Certificate for Secondary Education | | | | 2009 | C.I.S.C.E, New Delhi | 96.8 | | |
| **INTERNSHIPS** | | | | | | | | |
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| ***Summer Intern, Calcutta Electric Supply Corporation Limited*** | | | | | | ***(May – Jul, ’14)*** | | |
| *Work Done:* | * **Created Courier Monitoring System for tracking couriers delivering Electricity Bills.** * Implemented bill delivery tracking, delivery timeline and delay analysis * Developed **self updating AJAX pages,** single login for three kinds of users | | | | | | | |
| *Achievement:* | * **Used JSP-Servlets and Oracle RDBMS for the first time** to build the entire site. | | | | | | | |
| ***Summer Intern, Oil and Natural Gas Corporation, MBA Basin*** | | | | | | ***(May – Jul, ‘13)*** | | |
| *Work Done:* | | * **Created internal web-portal for automated plotting of Lithology data of oil-wells**. * Implemented internal search engine, export search result as PDF/XLS. * Developed **Admin Panel**, Login based **Role Management**. | | | | | | |
| *Achievement:* | | * **Used ASP.NET C# and Microsoft SQL Server for the first time** to build the entire site. | | | | | | |
| **RESEARCH EXPERIENCE** | | | | | | | | |
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| ***Mini-project: Study of Optimization, Special focus – PSO*** | | | | | | | ***(Jul ‘12 – Apr ‘13)*** | |
| * Studied Optimization theory in general and **Particle Swarm Optimization** in particular. * Investigated possible application of PSO in Image Processing. | | | | | | | | |
| ***Developed Rocker Bogie Suspension Mechanism*** | | | | | | | ***(Nov ‘12 – Jan ‘13)*** | |
| * Created a **manual robot** having a miniature version of **NASA’s Rocker-Bogie suspension mechanism** (used in Mars Rovers *Spirit* and *Opportunity*) for *Robotix 2013* event at IIT Kharagpur. * YouTube Video URL for the project: [***http://youtu.be/jPk-QOfbPV0***](http://youtu.be/jPk-QOfbPV0). | | | | | | | | |
| **ACHIEVEMENTS** | | | | | | | | |
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| ***Your Internship Story Contest 2013, Internshala*** | | | | | | | | ***(Aug ’13)*** |
| * **Weekly Winner** (Editor’s choice) for the **best internship story** submitted, in a **national level competition**. | | | | | | | | |
| ***Algorithms: Design and Analysis – Part I, Coursera*** | | | | | | | ***(Jun – Jul ’12)*** | |
| * Scored **93.3%** in a Massive Open Online Course (MOOC) offered by **Stanford University** in Coursera Platform. | | | | | | | | |
| ***GlideLeo 2012, IIEST Shibpur*** | | | | | | | ***(Mar ’12)*** | |
| * Won **Third Prize** in a Glider Making competition, out of 20 other participating teams, held during Instruo 2012 – the annual tech-fest of IIEST Shibpur. | | | | | | | | |
| **POSITIONS OF RESPONSIBILITY** | | | | | | | | |
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| ***Web Developer - Institute website, IIEST Shibpur*** | | | | | | | ***(Feb ’14 – present)*** | |
| * **Remodelling the entire website** of the institute, using **Joomla!** Content Management System. * Making the website responsive and mobile device friendly. * Implementing the above changes **without hampering data already present**. | | | | | | | | |
| ***Web Developer - www.shibpurconnect.org*** | | | | | | | ***(Nov ’13 – present)*** | |
| * Co-conceptualized and developed an academic networking website for the institute from scratch, using ASP.NET and MS-SQL. * Implemented latest web design standards such as “**Flat Design**” and “**Mobile Responsiveness**”. * Currently has over 300 registered users and still counting. | | | | | | | | |
| ***Web Developer - euphony.becs.ac.in*** | | | | | | | ***(Aug ’13 – present)*** | |
| * Developed a new website for Euphony – Institute Music Club, which registers almost thrice the hit count per day on an average than the previous one. | | | | | | | | |
| **TECHNICAL PROFICIENCY** | | | | | | | | |
| **Languages & Frameworks** | | | C, Java, ASP.NET C#, PHP, HTML5, CSS3, jQuery, Bootstrap, MySQL, T-SQL, Oracle | | | | | |
| **Multimedia Software** | | | Adobe Photoshop, Adobe AfterEffects, MAGIX Movie Edit Pro | | | | | |
| **Operating System** | | | Linux (Fedora, Ubuntu), Windows, Solaris | | | | | |
| **MISCELLANEOUS** | | | | | | | | |
| * **Background Music Composer** at Les Thespians - Institute Drama Club, **Editor** at Institute Film Club. * **Creator of trailer videos** for various Institute events – Rebeca (cultural fest), Instruo (tech-fest) | | | | | | | | |