

Dibya Jyoti Roy

PROJECTS

JULY 2016 – PRESENT

B.Tech Project, Kharagpur

User Identification based on Temporal Activity Recognition

Developed an Android App using Google ActivityRecognition API. The app gathers all the sensor raw data along with the current activity of the person with the help of the API. Developing a system which would be able to identify different users uniquely based on their activity patterns throughout the day.

JANUARY 2016 – APRIL 2016

Academic Project, Kharagpur

Reddit AMA Summarizer

Implemented 3 methods: Lexrank, LDA modelling, and clustering along with Lexrank to summarize the answers given by the host of an AMA in Reddit.

MARCH 2016 – APRIL 2016

Academic Project, Kharagpur

Realtime Visualization of Twitter Hashtags

Realtime handling of tweet streams using Apache Spark and an API for querying on this data. Interactive visualization of co-occurring hashtags using vis.js.

FEBRUARY 2016 – MARCH 2016

Academic Project, Kharagpur

Course Management Website, MEAN Stack

A dynamic web app where instructors can offer courses for students with provision for assessments and performance tracking. Used the MEAN (MongoDB, Express.js, Angular.js, Node.js) stack to develop the web app. Implemented the back-end of the website and developed the APIs.

JANUARY 2016

Inter-IIT Tech Competition

Proximity Based SOS Android App

Allows user to send a notification for help to everyone within a predefined radius. Developed the API using Node.js. Developed widgets for the Android app. Implemented Pubnub for real-time chat integration. Implemented services for continuous tracking of location of users.

JULY 2015 – NOVEMBER 2015

Academic Term Project, Kharagpur

Review Spammer Detection System

Implemented a Review Graph based Review Spammer Detection System on Fiverr. Used LIWC for text analysis. Used Selenium WebDriver & BeautifulSoup to crawl & parse the HTML, MongoDB as Database, Plotly for plotting.

ACHIEVEMENTS

2016 1st position in Inter-IIT (intercollegiate) Tech Software Development among 19 IITs, India.

2013 Ranked 351 among 150,000 students, JEE Advanced Examination, India.

2013 Ranked 1 among over 150,000 students, Odisha Joint Entrance Examination and Jharkhand Joint Entrance Examination, India.

2013 Ranked 42 among over 100,000 students, West Bengal Joint Entrance Examination, India.

2013 Selected for INSPIRE Scholarship.

2009 Recipient of NTSE Scholarship by NCERT.

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EDUCATION

2013 – 2017	Computer Science And Engineering UNDERGRADUATE IIT Kharagpur, India GPA. 8.82/10
2011 – 2013	Class XII Board (ISC) Tagore Academy, Jamshedpur, India Percentage. 96.25%
1998 – 2011	Class X Board (ICSE) Tagore Academy, Jamshedpur, India Percentage. 95.2%

COURSES

Ubiquitous Computing
Machine Learning
Parallel & Distributed Algorithms
Data Structures
Algorithms
Computer Organization and Architecture
Social Computing
Operating Systems
Formal Languages and Automata Theory
Software Engineering
Compilers
Information Retrieval
Computer Networks

SOFTWARE SKILLS

PROFICIENT	Java, C++, C#, Android, HTML5, Node.js
INTERMEDIATE	C, JavaScript, VB, CSS, SQL, MongoDB, Xamarin.Forms, ASP.NET, Windows, Ubuntu, MEAN, Git, Unity

INTERNSHIPS

MAY 2016 – JULY 2016

Internship, Microsoft IT, Hyderabad

Mobile Device Apps Development & Analytics for Business Insights

Non Disclosure Agreement.
Offered a full time position at Microsoft Redmond, USA.

MAY 2015 – JUNE 2015

Internship, Tata Steel, Jamshedpur

ERP, Sinter Distribution, ASP.NET

Designed and Implemented the whole structure and front-end of the website. User-Authentication and User-Authorization of the various modules of the website. Website Configuration. Algorithm for daily sinter distribution. Integration of the different modules of the website from other team members. Error Management system. Email Notification system. Unit Testing. Use-Case Diagram.

MARCH 2014 – FEBRUARY 2015

Internship, Zephcon Technologies, Kharagpur

Android App Developer

Developed the front-end of two android apps. Was the lead developer for the project.