

Bhaskar Bagchi

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EDUCATION

IIT KHARAGPUR

B.TECH.(HONS.) COMPUTER
SCIENCE

Expected Jul 2015 | Kharagpur, India
 Cum.GPA - 9.25/10 (After 7
 semesters)

MAHARSHI PATANJALI VIDYA MANDIR

CLASS 12 (AISSCE - CBSE)

Completed May 2010 | Allahabad,
 India
 Percentage 94.2%

PALPA AWASIYA SECONDARY SCHOOL

CLASS 10 (SLC)

Completed May 2007 | Tansen,
 Nepal
 Percent 88.88%

SOFTWARE SKILLS

PROGRAMMING LANGUAGES

C • C++ • Java • Python

VERSIONING

Git • Perforce

LIBRARIES/UTILITIES

OpenCV • ROS • Gazebo Simulator •
 LaTeX • MySQL

IDE

Eclipse • Netbeans

COURSEWORK

Distributed Systems(Current)
 Computer Graphics(Current)
 Computational Geometry(Current)
 Advanced Graph Theory
 Artificial Intelligence
 Machine Learning
 Natural Language Processing
 Database Management Systems
 Compilers • Algorithms
 Complex Network Theory

ON INTERNET

Github:// [bhaskarbagchi](#)
 LinkedIn:// [bhaskarbagchi](#)
 Facebook:// [bagchi.bhaskar](#)
 Twitter:// [@BhaskarBagchi](#)
 Quora:// [Bhaskar-Bagchi](#)

EXPERIENCE

AMAZON | SOFTWARE DEVELOPMENT INTERN

May 2014 - July 2014 | Bangalore, India

- Worked with the FC SpaceManagement team. Contributed to the enhancement of DPS portal and also worked on collection and pushing of metrics for DPS recommendation service.
- Made Java services for collection of metrics and made the corresponding jsr front-end. Also used Amazon Web Service to automatically schedule metric collection task.
- All code reviewed, perfected and pushed to production. Got a pre-placement offer.

RESEARCH PROJECTS

INTERNSHIP PROGRAM IN TECHNOLOGY SUPPORTED EDUCATION | WINTER SCHOOL BY MSRIT & CMU

December 2013 | Bangalore, India

Worked on a project titled Computer Vision Based Automatic Crime Control in Automatic Teller Machine under the guidance of Dr. S. Sethu Selvi, Dr. Bhiksha Raj and Dr. Rita Singh to detect violence and masked faces in ATM booths. Used optical flow for violence detection.

CSIR-CMERI DURGAPUR | IAS SUMMER FELLOW

May 2013 - July 2013 | Durgapur, India

Under the guidance of Dr. Soumen Sen, Principal Scientist, Robotics and Automation Lab, CMERI, Durgapur, integrated the Barrett WAM arm with a logitech webcam and applied image processing techniques so that the arm can be dynamically manipulated to follow a moving/flying ball.

TEAM AGV, IIT KHARAGPUR | SOFTWARE TEAM MEMBER

August 2012 - December 2013 | Kharagpur, India

Worked on a small prototype of ground vehicle cum robot, Eklavya 2.0, contributing in its Lane Detection(image processing), data fusion of camera and lidar and modulation using ROS. It was showcased in IGVC-2013 held at Oakland University, Michigan and stood 9th among 41 teams from all around the globe.

DATA-MINING & ANALYSIS PROJECT

COMPLETE THE LOOK - RECOMMENDATION SYSTEM

Bachelor Thesis Project | Kharagpur, India

Designed and implemented a recommendation system for online fashion store that, on purchase of any piece of garment, refers a complete set of other garments and accessories that can be worn together and go with it/are complementary to it and form a new fashion statement.

PREDICTING FUTURE POPULARITY OF PUBLICATION FORUMS | COURSEWORK - COMPLEX NETWORK THEORY

Spring 2014 | Kharagpur, India

Analysed and predicted the future popularity of publication forums using machine learning techniques. Also analysed the citation flow through conference using the conference data for the same.

TLDR; NEWS ARTICLE SUMMARIZER | NLP TERM PROJECT

Autumn 2014 | Kharagpur, India

Developed a Chrome extension and a web app which summarizes news articles. It uses various secularization techniques like Luhn, Text Rank and Text Phrase. Web-app for the same can be viewed at <http://news-article-summarizer.herokuapp.com/>