

Bhaskar Bagchi

<http://cse.iitkgp.ac.in/~bhaskarb>
 bhaskarbagchi13101992@gmail.com | (+91).909.392.2296

EDUCATION

IIT KHARAGPUR

B.TECH.(HONS.) IN COMPUTER
SCIENCE

Expected Dec 2015 | Kharagpur, India
Cum. GPA: 9.22/10 (After 6
Semesters)

MAHARSHI PATANJALI VIDYA MANDIR

CLASS 12(AISSCE)

Completed May 2010 | Allahabad,
India
Percentage: 94.2%

PALPA AWASIYA SECONDARY SCHOOL

Completed July 2007 | Tansen, Nepal
Percentage: 88.88%

LINKS

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

COURSEWORK

Machine Learning
 Speech and Natural Language Processing
 Artificial Intelligence
 Theory of Computation
 Complex Networks
 Database Management
 Computer Networks
 Source Software Engineering
 Compilers
 Algorithms
 Operating Systems

SKILLS

PROGRAMMING

C(Advanced) • C++(Intermediate) •
 Java(Intermediate) • Python(Basic)

VERSIONING

Git • Perforce

LIBRARIES/UTILITIES

OpenCV • ROS • Gazebo Simulator •
 LaTeX • MySQL

PLATFORMS

Linux • Windows • Android

IDE

Eclipse • Netbeans

EXPERIENCE

AMAZON | SOFTWARE DEVELOPMENT ENGINEER – INTERN

May 2014 – July 2014 | Bangalore, India

- Worked with the FC Spaceman team. Contributed the enhancement of DPS portal and also worked on collection and publishing of metrics for DPS recommendation system. Used Oracle database to store metrics. Also worked for automatic scheduling of metrics collection using Amazon Web Services.
- Created services in Java classes and front end website using .jsp.
- All code was reviewed, perfected, and pushed to production.

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. Rita Singh** and **Dr. Bhiksha Raj** to detect violence and masked faces in ATM booths.

CSIR-CMERI DURGAPUR | IAS SUMMER FELLOW

May 2012 – 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

Under the guidance of, **Dr. Debashish Chakravarty**, Associated Professor, IIT Kharagpur, 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, modulation using ROS. It was showcased in IGVC-2013 held at Oakland University, Michigan and stood 9th among 46 teams from all around the globe.

ANALYTICS PROJECTS

PREDICTING FUTURE POPULARITY OF PUBLICATION

FORUMS | COURSE – COMPLEX NETWORKS

Spring 2014 | Kharagpur, India

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

EXTRA CURRICULARS & ACHIEVEMENTS

- Represented IIT Kharagpur for software development competition in Inter-IIT Tech Meet, 2014.
- Mentor of 8 sophomores under the mentorship program of Student's Welfare Group, IIT Kharagpur.
- Mentored robotics winter workshop 2012 organized by Robotix, IIT Kharagpur.
- Certified for merit in the regional and national CBSE Science Exhibition, 2010.
- Enlisted in top 0.1% students who scored highest in physics, 2010.
- Selected for finals of Microsoft Hackcon 2014.(2nd in preliminary round)