

RAGHAV JAJODIA

B.E. (Hons.) Computer Science Engineering (2012-2016)
BITS Pilani, Pilani Campus, India

MALE, 24 YEARS

EDUCATION

B.E. (Hons.) Computer Science	2012-2016	BITS Pilani, Pilani Campus, India	CGPA- 8.75
AISSCE (Class XII)	2012	N.K Bagrodia Public School, Delhi, India	93.8%
AISSE (Class X)	2010	N.K Bagrodia Public School, Delhi, India	CGPA- 9.8

WORK EXPERIENCE

Microsoft India Development Center, Hyderabad – Software Engineer

August 2016 – Present

Worked in the Retail team of Bing organization. Developed an internal dashboard to fix the Retail data on Bing.com and Microsoft Knowledge Graph in minutes. Also developed the dashboard to display Retail Catalog metrics.

Worked on the conflation of 20 Million Retail Sartorial Products to be ingested in Microsoft Knowledge Graph

Microsoft Research, Bangalore – Research Intern

Jan 2016 – July 2016

Worked on DebugAdvisor, a debugging and recommendation system which finds people, sources and relationships from any fat query. Worked on TitanGraph Database, SQL Server 2016, R programming and C#

Worked on research project “Pollution Monitoring in India”. Studied and carried out experiments to collect the PM2.5 data, calibrate and compare monitoring sensors, and derive interesting correlations and trends from the pollution data

EdgeVerve Systems Limited, Bangalore - Software Engineering Intern

May 2015 - July 2015

Developed “Knowledge Management System” for the organization, currently deployed and being used by the employees. The project involved extracting summary of the work emails and developing a search engine for knowledge. Worked on MongoDB, Flask, NLP summarization, HTML5, Bootstrap and jQuery

Global Logic, Nagpur – Software Engineering Intern

May 2014 - July 2014

Developed mobile app “Virtual Cart” enabling user to do physical shopping while creating the cart on user’s phone. Using product scanning, user can manage the cart virtually, see product real-time offers and pay quick bills. App was built using jQuery Mobile and Phonegap. Also developed the backend server in C# and ASP.NET

RESEARCH PROJECTS

INSPIRE Lab, BITS Pilani

August 2015 – December 2015

Supervisor: Prof Avinash Gautam, Prof Sudeept Mohan

Navigation of the mobile robot using eye gestures. Worked on face detection, pupil detection and bot interfacing

Machine Vision Lab, CEERI Pilani

August 2014 – December 2014

Supervisor: Dr Jagdish Raheja, Dr Dhiraj Sangwan

Detection of human figures in surveillance video. Used Computer Vision techniques like background subtraction and contour detection to locate humans in surveillance videos

Category Classification of Images of Retail Products

October 2017 – December 2017

At Microsoft IDC

Trained and deployed VGG16 CNN model to classify Retail product image as Smartphone, Tablet or Laptop. Obtained 94% accuracy on this task

ACADEMIC ACHIEVEMENTS AND AWARDS

- Preliminary asteroid discovery (TOV4C7) in ALL INDIA ASTEROID SEARCH CAMPAIGN 2011 in collaboration with INTERNATIONAL ASTRONOMICAL SEARCH COLLABORATION, USA (IASC)
- Awarded JSTS (Junior Science Talent Search Examination) scholarship for excellence in science in 2010
- UCMAS: Graduated from Abacus learning program. Twice Delhi state level champion. 2nd runner up in National level arithmetic exam
- One of the winning teams at Microsoft Hackathon-Code.Fun.Do. Developed a windows game application in 24 hours
- Delegate for HPAIR (Harvard Project for Asian and International Relation), 2015 conference, held in Manila, Philippines

SKILLS

- Programming languages: C++, C#, Java, Python, SQL, HTML, JavaScript, JQuery, ASP.NET, Verilog, Assembly
- Software/Editors knowledge: Matlab, Latex, VIM, Git, IBM SPSS
- Research Interests: Computer Vision, Deep learning, Machine Learning

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