

AVIJIT KUMAR ASHE

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CAREER OBJECTIVE

Long Term

To become a true source of inspiration for others, thus work diligently and persistently with the proper blend of talent and creativity, in every job I undertake.

Short Term

To obtain a research fellowship/position in a research group under a sponsored project to gain valuable experience and provide financial assistance for pursuing higher studies.

ACADEMIC DETAILS

Qualifications	Board/University	College/School	Percentage/ CGPA
B.Tech (Electrical and Electronics Engineering) (2009-13)	Biju Patnaik University of Technology, Orissa	International Institute of Information Technology, Bhubaneswar	CGPA (8.11)
10 th + 2 in Sc. (2009)	Central Board of Secondary Education	Delhi Public School, Angul	89.6%
10 th (2007)	Indian Certificate of Secondary Education	Saint Lawrence School, Angul	94.7%

SKILL-SET

- Software** : MatLab R2009a, R2013a, NI LabView, Cadence PSpice, Maple 13
CorelDraw x6 Graphics Suite
- Programming** : BlueJ, MySQL, C, C++, OpenGL, Python, bash
- Others** : Web-research, academic writing, simulations, linux, networking

RESEARCH INTERESTS

- Soft-Computing & Intelligent Data Analysis
- Fuzzy-logic, Evolutionary Computing, Neural Networks and Hybrid Systems
- Applied Soft-Computing in Astronomical, Medical and in common signal/data analysis/processing, control & optimization.

EXPERIENCE

- JRF at IIIT Bangalore on DST, NRDMS sponsored project “*Remote 3D Visualization of LIDAR Data*” (Since December 2013)
- Mathematics problem solver at Evelyn Learning Systems, New Delhi. (Since July, 2013)
- Research work simulation at IIT Hyderabad. (June, 2013 to September 2013)
- Freelance jobs relating to projects on research interests at freelancer.in. (Since June 2013)

PROJECTS (Partial & Complete Contribution)

- MATLAB implementation of Fuzzy Relational Inference systems based on Fuzzy Implications are Universal Approximators (IIT H-2013)
- Automatic Voltage Regulation (AVR) using PSO (Particle Swarm Optimization) in a Thermal Power System (IIIT Bh-2013)
- Implementation of Adaptive Neuro-Fuzzy Inference Sys (ANFIS) for the LFC (load frequency control) of an Interconnected Hybrid Power System (IIIT Bh-2013)
- Load Frequency Control (LFC) using Fuzzy-PI based controller in a Wind-Hydro-Thermal Hybrid System (IIIT Bh-2012)
- Project Antariksh at Dhruva Space (Bangalore) – Design of a telemetry system using Arduino (early 2012)
- Stock Management using C++ and MySql (+2 Project-2008)

PUBLICATIONS

- *Fuzzy-PI based frequency regulation in Wind-Hydro-Thermal Hybrid System at International Conference on Current Trends in Advanced Computing, April 2013*
- *IVR Controllers In Hybrid Interconnected Power Generation Systems at ICACCCT, 2014. (Accepted for publishing by IEEE Xplore)*
- *Remote Interactive Visualization of Parallel Implementation of Structural Feature Extraction of Three-dimensional Lidar Point Cloud at BDA, 2014. (Accepted for publishing by Springer-Verlag in LNCS)*

EXTRA-CURRICULAR

- Cisco Certified Network Associate from NIIT Bhubaneswar (2010)
- **Membership:** SSPG, a division of SGAC (spacegeneration.org, Austria).
- Distinctions in ICAS by Educational Assessment Australia, UNSW Global Pty Ltd in Science (**Gold Medalist-2009**), English, Maths & Computer Applications.
- DIPLOMA in Painting from Pracheen Kala-Kendra (Chandigarh University-2007).
- **National Award** in Arts & Painting.
- Series of ISTSE and OSTSE Scholarships.
- Regular Quizzier (Business, Technical and Environmental).

HOBBIES & LEISURE ACTIVITIES

- Gaining theoretical and practical knowledge from television, internet-surfing etc. as well as fixing and customizing (home décor and appliances, personal accessories)
- Writing blogs (*iquotient.wordpress.com*-technical & literary, *mycanvaaz.wordpress.com*-design, *avashe.wordpress.com*-quiz)
- Music such as EDM, trance and/or various DJ Remixes.
- Sketching and Painting.

ONLINE PRESENCE

- <http://in.linkedin.com/pub/avijit-ashe/59/357/314/>
- <https://www.freelancer.com/u/TheAVashe.html>
- <https://www.behance.net/ashe15avij6d2c>
- <http://iquotient.wordpress.com>

PERSONAL DETAILS

Date of Birth : 15th March,1992

Gender : Male

Nationality : Indian

Language known : English, Hindi, Bengali, Oriya, Italian (Beginner)