Muktinath Vishwakarma   **October 20, 1990**
M.Tech. IIT Kanpur, JRF-NET   muktinathv@gmail.com
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Experience

- **Visvesvaraya National Institute of Technology** Nagpur, India
  Researcher *2024 - Present*
  - I am pursuing PhD in Generative Artificial Language and its application in Time Series Data Analysis. My Guide is Dr. M. P. Kurhekar.

- **Symbiosis Institute of Technology** Nagpur, India
  Teaching Assistant Professor *2022 - 2024*
  - At SIT Nagpur, I am responsible for teaching Undergraduate students (C, DS, and DAA). I am also co-head of the SRC (Student's Representative Council), which is responsible for conducting all the student activities on campus.

- **The Altius Classes** Nagpur, India
  Director & Teacher *2015 - 2022*
  - At The Altius Classes, we provide training for GATE and CRT (Campus Recruitment Training)

- **Indian Institute of Technology Kanpur** Kanpur, India
  Course Tutor *2015*
  - I was Course tutor for the ESC101 (Fundamental of Computing). I was responsible for holding tutorials, doubt sessions, paper setting for exams, and checking and grading of the paper. There were a total of 35 students in my class.

- **Indian Institute of Technology Kanpur** Kanpur, India
  Teaching Assistant *2013 - 2014*
  - I was TA for ESC101 (Fundamental of Computing) from July 2013 to May 2014 and for SE367 (Introduction to Cognitive Science) from July 2014 to November 2014. I was responsible to held Lab Sessions, doubt in Lab, Lab Exam and evaluating tests and exam papers.

Education

- **Visvesvaraya National Institute of Technology** Nagpur, India
  PhD *2024 - Present*
  - I am pursuing PhD in Generative Artificial Language and its application in Time Series Data Analysis. My Guide is Dr. M. P. Kurhekar.

- **Indian Institute of Technology Kanpur** Kanpur, India
  Master of Technology *2013 - 2015*
  - Specialization : Computer Science and Engineering
  - Performance : 7.43 / 10.00

- **Rashtrasant Tukadoji Maharaj Nagpur University** Nagpur, India
  Bachelor of Engineering *2009 - 2013*

- Specialization : Computer Science and Engineering
- Performance : 75.31 % / 100.00

M.Tech. Thesis

- **Study of the Dependent Typed Language Agda, Proving Natural No is Commutative Semiring**
  Thesis Supervisor: Prof. Satyadev Nandakumar

  - Agda is a functional programming language and proof assistant. It helps to prove the theorem by writing programs. In this thesis, I have represented all numbers and proved the basic properties of those numbers by using Agda.

Key Academic Projects

- **Live Bus Tracking System using Twitter Bolt and Tweet Automation System**
  Software Architecture (CS654)   *2014*

  - In this Project we have developed an application with the help of Twitter bolt, which help us to track the bus in the city.

- **Triplet Image Matching for Air-Borne Digital Sensor ADS 40**
  Parallel Algorithm (CS646)   *2014*

  - In this project we have some satellite image, we have to construct the 3D image from that digital images by using Cuda Programming Language.

- **Movie Recommender and Score Prediction System**
  Machine Learning (CS771)   *2013*

  - Using the movielens ml-100k data set, build a system that predicts for an unknown user (whose simple demographics are available).Whether the user is likely to see a given movie or not, And if the answer to the above is Yes then the star rating (on a scale of 1 to 5) that the user will most likely give to the movie.

- **Foreign Body Detection in Ear Images**
  Multimodal Biometrics   *2013*

  - Given an ear image, we have to find that are there any foreign body present or not in the image. Here foreign body means that something unexpected in the ear image (e.g. Ear phone,Scarf, Hair, Ear ring etc.)

- **Design and Development of Efficient Web-Crawler**
  UG final year Project   *2013*

  - In this project we had developed web crawler which gives more result that the conventional web-crawler. This kind of web-crawler mainly used to provide more accurate result.

- **Hotel Management System**
  Required to complete Diploma in software engineering   *2008*

  - In this project we had developed a software that is used to manage all the requirement of a single hotel. It was not a web based project. It was working on Local system only.

Seminars/Workshop/Talks Delivered

- Conducted Guest Lectures on **"Career Guidance and Gate Preparation"** in Department of Computer Science and Engineering/Information Technology at Wainganga College of Engineering and Management, Nagpur.

- Conducted Guest Lectures on **"Design and Analysis of Algorithm for GATE"** under Gate Club in Department of Computer Technology, YCCE Nagpur.

- Conducted Guest Lectures on **"How to prepare for GATE"** under Gate Club in Department of Computer Technology, YCCE Nagpur.

- Conducted Guest Lectures on **"How to prepare for GATE"** under Gate Club in Department of Computer Science and Engineering, RGCER Nagpur.

- Conducted Guest Lectures on **"Analysis of Algorithm"** in Department of Computer Science and Engineering, RGCER Nagpur.

- Conducted Guest Lectures on **"How to prepare for GATE"** in Department of Computer Science/Information Technology, Priyadarshini College Nagpur.

- Conducted Guest Lectures on **"Complexity Theory"** in Department of Information Technology, RGCER Nagpur.

- Conducted Guest Lectures on **"How to prepare for GATE"** in Department of Computer Technology/Information Technology, Rajiv Gandhi College of Engineering, Research and Technology, Chandrapur.

Academic Achievements

- Qualified for **JRF & NET** in July 2016.

- Secured **AIR 827** in GATE 2013 among 2.25 Lakhs (Approx.) candidates conducted by IITs/IISc.

- Secured **Honorable Mention** in **ACM-ICPC Kanpur 2011** online prelims and onsite regional contest.

- Secured **Honorable Mention** in **ACM-ICPC Amritapuri 2010** online prelims and onsite regional contest.

- Winner of **Best Technical Project Award** for the Project **Design and Implementation of Efficient Web Crawler** organized by Persistent Systems.

- **Won 2nd Position** for project **Intelligent Power Grid System** in **Avishkar 2011** in Engineering and Technology category, an Inter college research festival organized by RTMNU Nagpur University.

- Won many National level college programming competitions like **Top Coder**, **Battle of Code Professional** and **C-ON-TEST** etc.

Position of Responsibility

- Appointed as **Member of Student council** of CSE department of RGCER College. Responsible for organizing guest lecture, workshop and cultural as well as technical events in 2010-2011.

- Appointed as **Head Coordinator** of Programming language Club/ Gate Club. Responsible for organizing lecture, test and discussion in 2010-2011 and 2011- 2012.

- **Organized** a national level programming event **KodoTeK 3.0** and **KodoTeK 2.0** at Rajiv Gandhi College of Engineering and research Nagpur. This event is based on ICPC format.

Extra - Curricular Achievements

- Won **Personite**, a personality contest and **Ad-Making Contest**, an advertisement making competition in Malhar 2011.

- Won **Inter Dept. Cricket Tournament**, a cricket tournament and **Dance Competition**, a dance competition in Malhar 2013.

Area of Interest

- Programming Languages

- Data structures

- Design and Analysis of Algorithm

- Operating System

- Database management system

Technical Skill

- **Programming Languages:** C, C++, Java, Python

- **Software Packages:** Matlab, Cuda, Latex, Weka

- **Web Technologies:** HTML, CSS, XML, Java-Script

- **DBMS:** SQL Server

Other Information

- **Language:** Hindi, English

- **Alternate Contact:** +91-9325437231 & mn.suraj1@gmail.com

- **Permanent Address:** Ward No - 10, Pipraich, Gorakhpur, UP - 273152

- **Interest:** History, Puzzle Solving, Programming

- **Activity:** Travelling, Photography, Carrier Consultant

Date: April 10, 2024   **Muktinath Vishwakarma**
Place: Nagpur