

Kumar Rakesh Singh

PROFILE SUMMARY

Academic and IT professional with 10+ years of experience spanning university teaching, software engineering, and IT operations. Skilled in C, C++, Python, PL/SQL, networking, Linux shell scripting, and digital forensics. Proven ability to lead academic programs, mentor students, and deliver technical solutions in both education and industry. Currently pursuing an MSc in Information Security at Stockholm University with published research in algorithms and mobile forensics.

CONTACT DETAILS

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PERSONAL INFORMATION

Citizenship: Indian
Languages: English, Hindi, Odia, Swedish(Basics)

SKILLS

- PL/SQL, Advance C, C++, Python, Data-structure , Data-communication and Networking
- Linux Shell scripting, Perl scripting
- Microsoft Excel, MS Word,MS PowerPoint
- Android Mobile forensic using XRAY tool, XMAN Software, Binwalk
- JavaScript, HTML, CSS, GitHub
- Research Paper writing and Slide preparation using Latex
- University Lecturing and team management

EXPERIENCE

SRI SRI UNIVERSITY (INDIA) ,Assistant Professor

2020 - 2024

◇ I taught data structure using C, Web Technology, Networking, Software Engineering, Linux Shell programming, and OOPs using C++. Handled the entire examination work for our department.

GANDHI ENGINEERING COLLEGE (INDIA) ,Assistant Professor 2019 - 2020

◇ I taught Computer Network, Data communication, and Software Engineering. Worked as a proctor and class teacher of students to guide in their education and day to day problems.

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY (INDIA) ,Guest Faculty 2017 - 2019

◇ I took theory classes such as C++ programming, Graph Theory, Compiler Design and construction, and labs such as C, C++, Data structure, Algorithm, and Compiler Design.

HCL (INDIA) ,Lead Engineer

2010 - 2012

◇ Worked for Microsoft as a Team Lead. Tested the new version of Microsoft products using various monitoring tools and helped C and mainframe developers change the existing C and C++ code by telling them the code flow.

TCS (INDIA) ,Assistant System Engineer

2010 - 2012

◇ Worked for Summer Field, British Telecom, and IDEARC. Efficiently implemented some automation code while providing maintenance and support of ETL applications and the Version Control part of the Enterprise application.

EDUCATION

MSC (INFORMATION SECURITY) STOCKHOLM UNIVERSITY, SWEDEN. 2024-2026

M.TECH (COMPUTER SCIENCE ENGINEERING)GPA: 8.57/10, VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA,INDIA. 2015-2017

B.E (COMPUTER SCIENCE ENGINEERING) Biju Pattnaik University of Technology, Odisha,India. 2000-2004

PAPER / PUBLICATION

◇ NEW RESULTS ON COMPETITIVE ANALYSIS OF MOVE TO MIDDLE(MTM) LIST UPDATE ALGORITHM USING DOUBLY LINKED LIST *Procedia Computer Science*, Elsevier.

◇ DIGITAL FORENSICS OF LINKEDIN APPLICATION IN AN ANDROID SMARTPHONE,