

Pankaj Swaroop Raghuvanshi

Engineering Consultant – MATLAB | Python | C/C++

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Availability: Remote (Weekdays) · On-site (Weekends) · 10–20 h/week

PROFILE

Engineering consultant with strong experience in MATLAB, Python, and C/C++, specializing in simulation, automation, data analysis, and algorithm development. Delivers clean, reliable, and production-ready engineering solutions for R&D, validation, and internal tooling.

CORE COMPETENCIES

MATLAB automation & optimization · Python data processing & automation · C/C++ performance-critical tools · Signal & image processing · Algorithm development · Simulation & validation tools

PROFESSIONAL EXPERIENCE

Engineer – Scania Group, Sweden

- Developed engineering tools for data analysis, simulation, and validation
 - Automated workflows using MATLAB and Python
 - Supported algorithm development and performance optimization
- (Details summarized to protect proprietary IP)

SELECTED CONSULTING PROJECTS

MATLAB Automation for Engineering Data Analysis – Automated large-scale engineering data analysis workflows

Python Data Processing & Analysis Pipeline – Built reusable analysis and reporting tools

C/C++ Performance-Critical Engineering Tool – Implemented optimized components focusing on speed and reliability

TECHNICAL SKILLS

Languages: MATLAB, Python, C, C++

Tools: NumPy, Pandas, Matplotlib

Methods: Automation, simulation, algorithm optimization

EDUCATION

Master of Technology (Biotechnology), 2010–2012

G.B.T.U (Uttar Pradesh Technical University), Lucknow, India

Bachelor of Technology (Biotechnology), 2006–2010

Uttar Pradesh Technical University, Greater Noida, India

LANGUAGES

English – Fluent · Swedish – Learner

CONSULTING DETAILS

Part-time consulting · 10–20 h/week · Typical rate: 400–700 SEK/hr