

# Himanshu Sharma

heyhimanshusharma.github.io

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## EDUCATION

### • Bachelor of Engineering in Automation & Robotics

Expected July 2026

*Modern Education Society College of Engineering*

Pune, Maharashtra

- Relevant Coursework: Robotics IIT-K (NPTEL) & CS50P (Python)

## PROJECTS

### • DeX: Manipulator | CAD, 3D Printing, ESP32

- Built a 5-DOF robotic manipulator with teleoperation using gesture control. Implemented wireless communication via ESP32 and flex sensors for hand tracking, exploring intuitive human-robot interaction.

### • Robot\_Mechanics | Python, NumPy, Matplotlib

- Developed an open-source Python library implementing core robotics concepts (transformations, kinematics, robot link modeling) from first principles. Designed modular components with unit tests and visualization for validation and clarity.

### • Preview (PDF Viewer) | PyQt5, MuPDF

- Built a minimalist, cross-platform PDF viewer inspired by Evince and Mac Preview using PyQt5 and MuPDF for fast rendering.

### • Nothing OS Icon Pack | Figma, UI/UX Design

- Designed a comprehensive icon pack inspired by the Nothing OS aesthetic, emphasizing minimalist design and consistent visual language.

## EXPERIENCE

### • Copywriter

Remote

*cryptoprism.io*

2024

- Worked as a technical content copywriter for a DEX screener SaaS product targeting cryptocurrency users, improving user engagement and product adoption.

## TECHNICAL SKILLS

**Languages:** Python, MATLAB

**Tools & Technologies:** Figma, LaTeX

## EXTRACURRICULAR COURSES

- From Big Bang to Black Holes - Tokyo University (Coursera)
- CS50 Introduction to Python - Harvard University
- CS50 Introduction to Artificial Intelligence - Harvard University

## LEADERSHIP & SOCIAL ENGAGEMENTS

- **Co-founder, Avinya Club:** Founded project-focused club for hackathons and technical development at MESWCOE Pune
- **Technical Head, ASME Student Chapter:** Led technical initiatives and projects as head of American Society of Mechanical Engineering Student Chapter at MESWCOE Pune
- **Event Organizer & Speaker:** Organized various technical events and served as keynote speaker, winning multiple competitions

## INTERESTS & HOBBIES

**Reading:** Non-fiction, Evolution, Physics, Philosophy, Astronomy, Science Fiction

**Music:** Instrumental, Original Soundtracks

**Writing:** Technical blogs, Poetry, Personal journals