

CHINMAYAGOURA PATIL

📍 London E15 2ZL | ☎ +447553995563 | ✉ chinmayagoudapatil@gmail.com
<https://www.linkedin.com/in/chinmayagouda-patil-893478325/>

PROFILE

Enthusiastic robotics engineer with hands-on experience in automation, microcontrollers, and 3D modeling. Proficient in leading cross-functional teams to deliver high-impact projects. Equipped with strong communication and collaboration skills, and a passion for solving complex engineering problems. Aiming to contribute to cutting-edge innovations in robotics postgraduation.

EDUCATION

MSc ADVANCED ROBOTICS - Queen Mary University of London

Sept'24 – Present

Modules: Modern Robotics: Fundamentals and Applications, Mechatronics, Machine Learning and Artificial Intelligence for Engineering, Digital Signal Acquisition and Processing, Cognitive Robotics, Deep Learning for Data and Image Analysis, Extended Research Project.

B. Tech ROBOTICS AND AUTOMATION – Visvesvaraya Technological University (VTU) , India

GPA: 7.79 (FIRST CLASS WITH DISTINCTION)

Oct'20 – Jun'24

ACADEMIC PROJECTS

- Humanoid Service Robot
 - Led a 5-member team to design and develop a humanoid service robot funded by KSCST, showcasing leadership, teamwork, and problem-solving skills to deliver a reliable solution for domestic tasks.
 - Conducted thorough testing, validation, and stakeholder presentations, enhancing functionality based on user feedback and effectively communicating technical concepts.
- Motorized Wheelchair
 - Led the design and development of a motorized wheelchair with 85% functional efficiency, managing team efforts in electrical, mechanical, and control system integration while fostering collaboration and idea-sharing.
 - Enhanced usability and comfort through user-centric design features, efficiently sourcing materials and showcasing strong negotiation and logistical planning skills.
- AGV for Robotics Events
 - Designed and developed an Automated Guided Vehicle (AGV), winning 1st place in three national competitions by leveraging advanced robotics, programming, and sensor integration skills under pressure.
 - Collaborated with team members to simulate scenarios, analyze results, and implement improvements, demonstrating adaptability, teamwork, and strategic decision-making.
- Automatic Seed Sower
 - Built an IoT-based automated seed Sower that enhanced agricultural efficiency by 40%. - Focused on hardware-software integration and real-world IoT applications, showcasing critical thinking and innovation in problem-solving
 - Collaborated with agricultural experts to understand user needs, ensuring the product was both practical and effective.
- Fish Tape Project
 - Engineered an innovative tool for electricians, reducing wire installation time by 25%.
 - Demonstrated mechanical design and problem-solving abilities in a practical setting, emphasizing attention to detail.
 - Engaged with electricians to gather feedback, enhancing the tool's usability based on their input.

WORK EXPERIENCE

Robotics Instructor

Bright Champs, Belgaum (Remote), India

Feb'23 – Mar'23

- Tutored students in robotics and coding, enhancing problem-solving and teamwork through interactive projects.
- Developed strategies to improve communication between students, parents, and teachers for better understanding of robotics.

Self-Employed

Belgaum, India

Oct'21 – Aug'24

- Designed and implemented over 15 custom robotics and automation projects, improving client workflows and satisfaction
- Demonstrated entrepreneurial acumen, managing technical development, client relationships, and business growth while adapting to client feedback.
- Utilized strong communication skills to clearly present project ideas and progress to clients, ensuring alignment and satisfaction.

Internship Trainee

AEQUS PVT LTD, Belgaum, India

Aug'2 – Sept'23

- Downtime management and reporting
- Kaizen training and implementation
- Designing a Exo-skeleton for improved human performance in industries.

ACHIEVEMENTS

- Recognized at the state level for securing a place in the top 300 among 3,500 applicants, earning funding from the state government for innovative project work.
- Appreciated by the HOD and appointed as General Secretary of the Department of Mechanical Engineering for significant contributions to field-related projects.
- Led teams to victory in multiple Robo-Race competitions at national-level Tech fests, including AIT, Jain College, and VTU.

SKILLS

Technical Skills	Interpersonal Skills
<ul style="list-style-type: none">• Programming Languages: C/C++, Python• Tools: Arduino, ESP32, 3D Modeling Software, IoT Integration Platforms	<ul style="list-style-type: none">• Leadership & Project Management: Led teams, coordinated efforts, and managed projects to successful completion.• Communication & Collaboration: Demonstrated strong communication skills and effective collaboration with team members and stakeholders.• Problem-solving & Critical Thinking: Applied critical thinking to resolve challenges and improve processes.• Adaptability & Teamwork: Adapted to dynamic environments and fostered teamwork to achieve project goals.• Teaching: Experienced in mentoring and sharing knowledge to support others' learning and development.

EXTRA – CURRICULARS

- Led YUKTI 2k24 at VTU, managing 500+ participants and organizing 20+ events, and also coordinating a state-level project exhibition with 50+ student projects.
- Conducted robotics workshops for 50+ students, promoting STEM education, and volunteered in community service programs benefiting over 300 residents.
- Actively contributed to the Robotics Club, IQAC Committee, and worked as a home tutor, fostering educational growth and community engagement.