VAIBHAV HATTURE

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PROFILE SUMMARY

A highly motivated and detail-oriented engineering student with a passion for robotics and automation. Enthusiastic about solving problems and optimizing processes with innovative solutions. Proactively learns and adapts to challenges in dynamic environments. Eager to contribute to innovative projects and collaborate with dynamic teams to drive technological advancements.

EDUCATION

Bachelor of Technology (B.Tech) in Robotics & Automation
Visvesvaraya Technological University (VTU), Belagavi – 2025
CGPA: 8.94

Pre-University Course (PUC) – Science Stream
Gurukul PU College of Science, Kalaburagi – 2021
Percentage: 92.67%

Secondary School Leaving Certificate (SSLC)
Elite English Medium High School, Kalaburagi – 2019
Percentage: 88.80%

TECHNICAL SKILLS

- **CAD Simulations & Analysis** – CATIA V5, SolidEdge, AutoCAD, SOLIDWORKS, ANSYS for designing.
- **Automation & Control Systems** – Circuit connections, and Industrial automation methodologies. .
- **Robotics System Design** – Concept development, Integration, and Implementation.
- **Embedded Systems** – Microcontroller-based automation.
- **Programming** – Basic C and Python programming for scripting of automation solutions.
- **Project Management** – Handling end-to-end development of robotics projects.

CERTIFICATIONS & COURSES

Operations Industrial Engineer Job Simulation – Forage (SIEMENS) **(2025)**
Explore Engineering Job Simulation – Forage (General Aerospace) **(2025)**
CATIA V5 Beginner to Advanced - Udemy **(2025)**

APPRENTICESHIP

HAL - Helicopter (MRO - Line Replaceable Units), Bengaluru   **(04/08/2025 – PRESENT)**
Quality Assurance Trainee

- Hands-on knowledge of LRU acceptance testing, inspection, and calibration procedures.
- Proficient in using precision instruments (Vernier, Micrometer, CMM) for QA checks.
- Experience in preparing inspection reports, defect documentation, and traceability records.

INTERNSHIP EXPERIENCE

Creintors Automation Solutions Pvt. Ltd., Belagavi   **(16/10/2022 – 31/10/2022)**
Industrial Automation Intern

- Developed foundational knowledge of PLCs and circuit connections.
- Gained hands-on experience with industrial automation workflows.

NGN Foundation., Kalaburagi   **(01/11/2023 – 01/12/2023)**
Societal Impact Intern

- Worked as a societal intern on projects benefiting the community.
- Learned practical aspects of implementing automation for social impact.

Sarus Aerospace Pvt. Ltd., Belagavi   **(09/09/2024 – 10/02/2025)**
Project Engineering Intern

- **Project Collaboration**: Partnered with the engineering team in the design and development of a temperature-controlled cargo box attached with drones.
- Gained insights into advanced drone technologies and their applications in security, energy, agriculture, GIS, and construction.

DHIO Research and Engineering Pvt. Ltd., Bengaluru   **(17/02/2025 – 28/05/2025)**
CAE Intern-Design & Analysis

- Exploring the application of advanced computer-aided engineering design, analysis, and optimization across industries like automotive, aerospace, and general engineering.

PROJECTS

Computer-Aided Concept Generation for Development of Tree Trimmer
- Developed an innovative system for tree trimming using automated design concepts.
- Improved efficiency and ergonomic design for better usability.
- Focused on optimizing cutting precision, reach, and user safety by integrating automated design solutions.

Design & Development of Temperature-Controlled Cargo Box Attached with Drone
- Created a temperature-controlled cargo system to ensure optimal storage for organ transport.
- Integrated cooling and heating elements within the cargo box to maintain a stable internal environment using embedded controllers.
- Designed a secure mounting mechanism for drone-based transportation.

SOFT SKILLS

- **Automation & Robotics Knowledge**
- **Problem-Solving in Automation**
- **Quick Learning & Adaptability**
- **Team Collaboration & Communication**
- **Attention to Detail & Troubleshooting**
- **Time Management & Project Execution**

LANGUAGES KNOWN

- **Speak**: English, Kannada, Hindi, Marathi
- **Read:** English, Kannada, Hindi, Marathi
- **Write:** English, Kannada, Hindi, Marathi