

Aman Kumar

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Objective

As a bachelor's student, I am seeking a career in Automation product design and Production industry, I am passionate about expanding my knowledge and developing a **diverse set of multi-disciplinary skills** relevant to the production design field. With a **motivated attitude & compatible nature**, I am committed to excel in the field & eager to contribute my skills to the realm of Industry 4.0, striving for meaningful reform to be a **catalyst for innovation**, without compromising the essence of effective change.

Education

B.Tech. Mechanical Engineering , GJUS&T, Hisar, Haryana - Accredited 'A+' Grade by NAAC NBA accredited	2020-24
Diploma in Pharmacy – Atam institute of Pharmacy, Hisar, Haryana Affiliated by Pharmacy council of Haryana	2018-20
Intermediate – Government Senior Secondary School, Hisar, Haryana Affiliated by H.B.S.E. Board	2016-17
Matriculation –Leading Angel Public School, Hisar, Haryana Affiliated by H.B.S.E. Board	2014-15

Experience

Chief Technical Officer, Ground Robotics Pvt. Ltd. @ AIC, IITD (**Now performing as Mentor**) | On-site 03/2024 – Present

- Engineering projects on Agriculture and Aquaculture automations, won 10+ national accolades.
- Commanded multi-disciplinary team, securing governmental backing via NIDHI PRAYAS.
- Forged impactful alliances with the team experiencing startup culture.

Founder & Captain, iConnect -PDUIIC, GJUS&T, Hisar (**Now performing as Mentor**) | On-site 10/2023 - 02/2024

- Organized 1st Techfest of GJUS&T featuring 10+ events over 3 days.
- Recruited and led a team of 14 members and 50+ volunteers.
- Engaged with sponsors, judges, administrative heads, and attracted over 2000+ attendees.

CAD-CAM Training, MSME Technology Centre, Rohtak | On-site 09/2023 - 11/2023

- Completed a 200-hour training program covering the fundamentals of CAD, CAE, and CAM.
- Proficient in CNC operations using **Sinumerik EMCO WinNC** with 20+ CNC programs.
- Basics on CNC Machines including turning, boring, grooving, drilling, milling, and engraving processes.

Summer Internship in Jindal Southwest (JSW Plant), Hisar, Haryana | On-site 06/2022 - 08/2022

- Resolved machinery problems to minimize production downtime and ensure operation.
- Managed workflow to maintain efficiency, safety, and quality standards.
- Enhanced troubleshooting and line management skills for operational efficiency.

Certifications: (Skills Enhancement short-term Programmes)

• Barclays LifeSkills Programme (Campus Recruitment Training), GTT Foundation, Pune, Maharashtra	10/2023
• Winter NSS Week Camp , NSS, GJUS&T, Haryana	02/2023
• Aptitude Training Program , TIME Institute, Hisar, Haryana	01/2023
• Summer NSS Village Camp , NSS, GJUS&T, Haryana	07/2022
• Management Development Programme , MSME-DFO, Karnal, Haryana	11/2022

Technical Skills

- **Mechanical Designing** (CAD Modelling) - Solidworks, Siemens UG NX (2D/3D Modelling, Assemblies, Surfaces, etc.)
- **3D Printing Technology** - Fused Deposition Modelling (FDM), Stereolithography (SLA), Digital Light Processing (DLP)
- **Design Analysis & Manufacturing** - Ansys Workbench (CAE Validation & PLM), Siemens UG NX (CAM processes)
- **Sinumerik CNC Operations** (EMCO WinNC) - Turning, Boring, Grooving, Drilling, Milling, Engraving

Other Technical Skills – Video editing, IoT, Arduino, Graphic Design (using CANVA)

Soft Skills

- **Project Management**
- **Research and Analysis**
- **Leadership**
- Teamwork
- Strategic Planning
- Problem-solving
- *Decision-making*
- *Design Thinking*
- *Analytical Skills*

Co-Curricular Activities

10-meter Pistol Shooting	02/2021 - 11/2023
NSS Volunteer	11/2021 - 03/2024
Head Student Coordinator, Smart India Hackathon	03/2022 – 10/2023
Head Coordinator, Hackathon Club -T&P Cell, GJU	07/2023 - 02/2024

Languages Known

- **Hindi** - Native proficiency
- **English** - Professional proficiency
- **Punjabi** - Native proficiency

Hobbies

- *Discovering New Places*
- *Listening Music*
- *Exploring Technology*

Honours & Awards

- 1st Prize – SSSS category, **4th Technovation Hackathon & Innovation Budge**, Sharda University, Delhi 02/2022
- 1st Prize – Young leaders ' event, **Techspardha'22**, NIT, Kurukshetra, Haryana 04/2022
- **Silver Medallist**, 10-meter Air pistol, **Inter College Competition**, GJUS&T. 04/2022
- **Student of the Year**, Udaan Fest 2K22, GJUS&T, Hisar, Haryana 05/2022
- 1st Prize –Business Darbar event, **Prometeo'23**, IIT Jodhpur, Rajasthan 01/2023
- Most Impactful Idea – Moonshot event, **Prometeo'23**, IIT Jodhpur, Rajasthan 01/2023
- 1st Prize – B-plan event, **Techsprdha'23 & E-summit'23**, NIT, Kurukshetra, Haryana 01/2023
- Finalist – **Empresario '23, Global Business Model Competition**, IIT Kharagpur, West Bengal 02/2023
- 1st Prize – **Ideastrome event, E-summit'23**, IIT Roorkee, Uttarakhand 02/2023
- Finalist – **Investors Vista event, E-summit'23**, IIT Roorkee, Uttarakhand 02/2023
- Finalist – **State Level Hackathon, iHUB DivyaSampark@ IIT Roorkee, DCRUST, Murthal, Haryana** 04/2023
- Gold Medal (**Declamation**) – **NSS Week Village Camp**, NSS, GJUS&T, Hisar 02/2023
- Finalist – **Build Your Own Business, Himalayan Startup Trek 2023**, IIT Mandi, Himachal Pradesh 10/2023

Projects

- **CNC Foam Cutting Machine** 12/2022 - 02/2023
 - 3D foam cutting for precise polystyrene design and fabrication.
 - Assembly of aluminium rods, servo motors, Thermoplastic 3D printed parts & implemented Numerical controls.
- **SWAN (System for Water Analysing & Nurturing)** 02/2022 - 10/2023
 - IoT based water quality monitoring device for aquafarmers.
 - **Won several pan INDIA awards** and recognized by various entrepreneurs at multiple platforms.
 - Funded @RUSA 2.0 Grant through PDUIIC, GJUS&T, Hisar Haryana.
- **GVIC (Gate Valve for Irrigation from Canals)** 02/2024 - Present
 - LoRA operated flood irrigation system for Indian Farmers.
 - Funded @NIDHI PRAYAS Grant and incubated @456, AIC, Technopark, IIT Delhi Sonipat Campus, Haryana.