

ROHAN PRITISH CHANDRATRE

This is an online version of my CV. The document was last updated in October 2020.



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EXPERIENCES:

July 2020 – July 2021, Development Engineer, Rhythmsoft Robotics and Automation Pvt Ltd, Nashik, India

- Attended training sessions on programming, manufacturing processes, engineering drawings, learnt latest technologies such as cobot programming and its application, handling and configurations, Operated Solid Works, Delcam PowerMill and AutoCAD for various tasks.

June – Sept 2019, Solutions Architecture Intern, Siemens Mobility, Chippenham, U.K.

- Learned about Newer and existing technology at Siemens, worked at solutions architecture department to design a software to reduce time and human errors and automate the design process of the railway architecture.

Sept 2020 – July 2021, Vice President of Engineering for Engineering Projects Society, Newcastle University, U.K.

- Led a team of 25 members in the mechanical division to design, develop, manufacture and test an underwater robotic arm, deploy system, gripper and manipulator for Underwater Remotely Operated Vehicle for Marine Advanced Technology Education International Championship.

June – Sept 2018, Project Management Intern, Rhythmsoft Robotics and Automation Pvt Ltd, Nashik, India

- Executed tasks from ordering raw material using SAP Business One, handling machines, supplier visits, assisted for quality control, maintained communication between the project manager and design engineers for technical complications.

EDUCATION:

Sep 2017 – 2020, B.Eng. Manufacturing Engineering with Mechanical Design, (1st Class Hons) Newcastle University, U.K.

- Nominated as team leader for IMechE Challenge 2017 for a team of 5 for Newcastle University.
- Made a 3 Axis Robotic Arm for the ROV MATE Competition in the Marine Project Society.
- Completed SMC Pneumatic Systems International Course (P1).
- Made the first successful wind turbine, Used Autodesk Inventor 2018 for 3D design and drawings.
- Designed and 3D Printed a 'Text Recognition Pen' equipped with sensors and batteries as a summer project with a team of 4 in Indian Institute of Technology, Bombay.
- Was Selected for Sir William Siemens Challenge 2018 in a team of 5. Designed, manufactured and delivered a turn table system for 3D LED Cube on site.
- Designed, Analyzed (FEA), Predicted and Tested a Crane Hook using ANSYS Workbench and Tensile Testing Machine
- Programmed, Designed and Manufactured an Autonomous Electric Cart for a test track in a team of 3.
- Led the design for a Hardpoint Measuring System with Adjustable Test Rig for Gestamp, UK
- Created a maze solving robot algorithm for robots in Python.

2015 – 2017, Higher Secondary Certificate Examination (HSC), (81.4%)
Loknete Vyankatrao Hiray College, Nashik, India

2015, Secondary School Certificate Examination, (92.6%)
Nirmala Convent High School, Nashik, India

OTHER ACTIVITIES:

Sept 2018 – June 2019, Student Peer Mentor at Newcastle University

June 2016 – July 2016, Summer School at Karlsruhe Institute of Technology, Germany

- Understood the working and also visited ANKA Particle Accelerator.
- Participated in a factory tour of Mercedes-Benz in Rastatt Germany.
- Worked in a team of 4 to make a solar-powered car model.
- Built an LED temperature detector using breadboard, IC, resistors and thermal sensor.
- Attended seminars on applied physics and renewable energy.

ACHIEVEMENTS:

- Guts and Glory Award at Marine Advanced Technology Education (MATE) Remotely Operated Vehicle (ROV) International Championship 2019.
- Nominated for Rising Star Award Siemens 2019.
- Champion's Award Siemens 2019.
- Vice-Chancellor's International Scholarship holder in Newcastle University 2017.
- Spoke at TEDx Speaker's Competition 2017 about perspective in life.
- NCL Plus Award Newcastle University 2019.
- NCL Plus Advanced Award in Business Basics Newcastle University 2020.
- Jury Award winner at Ankur Film Festival 2016, Nashik.
- Finalist in Inter College Football Tournament 2016 at the district level.
- Rank holder in Open Chess Tournament at the district level 2014.
- Visited Automatica 2016, Munich and InterSolar Europe 2016, Munich trade fairs to keep up with innovations in the automation industry.
- Debating in MUN (Model United Nations) conferences.
- Sports – Active player of football and rifle shooting.

MEMBERSHIPS

- IMechE – Participated in the IMechE Challenge and regularly attended events.
- TEDx Society – Newcastle University.

TECHNICAL SKILLS

- Programming Languages – VBA, C, C++ and Python
- Engineering Software – Autodesk Inventor 2018, SAP Business One, SolidWorks 2018, AutoCAD 2017, MatLAB and Microsoft Office 2016
- Adobe Photoshop CC 2017 and Adobe Premiere Pro CC 2017

References available upon request.

Rohan Chandratre