

ASWINA. P. MOHANAN RETHY

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CAREER OBJECTIVE:

I firmly believe in Oscar Wilde's words, "Life is a staircase and not an escalator. You have to walk up, you won't get pushed up." With this belief, in the upcoming years, I ardently wish to work in the organization with the responsibility, sincerity and dedication to the job and putting more efforts to achieve the vision and mission of the company, thereby enabling me to grow.

PROFESSIONAL EXPERIENCE:

SAGAR DEFENCE ENGINEERING PVT. LTD.

June, 2016- till date

Electronics Engineer and Analyst

(Disruptive drone-tech startup in South East Asia enabling autonomy for marine vessels; products inducted in Indian Armed forces; featured in BBC for innovative waste-collection drones operational in River Ganges)

- Design, development and integration leading to final commercialization of Sagar Defence's Unmanned Systems like:
 - Unmanned Aerial Vehicle- Spectre (aerial drone)
 - Unmanned Marine Surface Vehicle (water drone)
 - Remotely Operated Underwater Vehicle
- These were developed for the Indian army, Indian naval forces and Government organizations for security, surveillance, river garbage cleaning and other customized applications
- Integrated Sagar Defence's Autonomous Unit on a small unmanned boat at **Rotterdam in Netherlands**, Europe.
 - Represented Sagar Defence and also led the marketing team in Rotterdam, Def Expo 2020 (Lucknow), Def Expo 2018 (Chennai), IITF 2017 (Delhi), World trade Centre exhibition (Mumbai), NASSCOM NTLF Awards In Mumbai, Magnetic Maharashtra 2018, Bangalore and many other places PAN India.
 - Represented Sagar Defence and won 3rd prize for investor and product pitching at Entrepreneurship summit 2017
 - Represented and pitched for Sagar Defence at National level of Climate Launchpad
 - Project management
 - Inventory management
 - Technical Content Writing including filing patents and tenders
 - Social Media Marketing, Marketing Communication

RELIANCE MUMBAI METRO

May 2015-June 2015

Intern

- Maintenance and monitoring of Automatic Fare Collection System
 - Consolidating reports of Mumbai metro and Mumbai monorail
 - Repairing of electronic defect parts of Automatic Fare Collection System
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PROJECT EXPERIENCE:

Academics:

- **Major Project** on Electronics based Medical Emergency System, for road accidents using an Airbot.
 - **Mini Project** on Pulse Width Modulated speed and direction of control of DC Gear Box Motor
 - **Seminar** on Nano-Pixels
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SKILL SET:

Technical:

- SMD soldering
- Operation of Pick and place and reflow machines used for Soldering
- Basic knowledge of C language.
- Basic Eagle PCB designing
- Knowledge of operating systems such as Windows, MS OFFICE
- Basic knowledge of digital communication system and telecommunication network.

Organizational:

- Leadership skills.
 - Good communication and oratory skills.
 - Investment and Product Pitching, Impactful Presentations
 - Capable of learning and adapting new skills faster.
 - Strong management and organizational skills.
 - Hardworking and dedicated.
 - Innovative and creative.
 - Challenge-driven Startup experience
 - Ability to take initiative and prioritize work under pressure
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EDUCATIONAL QUALIFICATIONS:

- PGDM in Business Administration and Marketing (In progress)
Prin. L.N. Welingkar Institute of Management Development & Research
 - B.Tech in Electronics Engineering, 2016
S.N.D.T Women's University, 80.46%
 - 12th (HSC), 2012
Patkar Varde College, 80%
 - 10th (SSC), 2010
St. Mary's English School, 94%
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ACHIEVEMENTS:

- Published Technical Paper on "Design and control of electronics based medical emergency system using a Quadcopter" in International Journal of Recent and Innovation Trends in Computing and Communication.
- Presided as CONTENT HEAD (EDITOR) of Entrepreneurship cell
- Won 1st prize in the best eco-friendly event organized by NSS unit.
- Worked as junior council representative of Entrepreneurship cell and organized various fests in the Engineering college
- Qualified to semi-final round of Tech Grand Master
- Presided as Head girl and Assistant Head girl in St.Marys English School.

- Won 3rd prize and merit certificate in city level English elocution competition for two consecutive years respectively.
 - Actively participated and won many laurels in many extra-curricular activities in school.
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PERSONAL DETAILS:

Date of Birth : February 19, 1994
Gender : Female
Language Proficiency : English, Hindi, Marathi, Malayalam, Tamil
Nationality : Indian
Hobbies : Writing poems
References : Available on Request

Declaration:

I hereby declare that the above furnished information is true to the best of my knowledge and I am solely responsible for the authenticity of the same.

Aswina .P. Mohanan Rethy
Place: Mumbai.