

ALVITA BERTILLA MATHIAS

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Career Objective

Recent graduate, holding an interest to work in the field of food safety, quality assurance, food production and development to contribute to the area of food security and help provide safe food to consumers. Enthusiastic and self-motivated individual looking to be a part of an organization where my existing knowledge can be put to use, and further expertise can be gained to contribute towards goals of the organization and self-development.

Highlights

- ✦ Masters' degree in Food Science from the department of Agriculture, Food and Nutritional Science, at the University of Alberta
- ✦ Holding a Bachelor of Biotechnology Engineering degree from NMAMIT
- ✦ Research assistant in microbiological experiments
- ✦ 3 years of developer experience at Infosys Ltd., Mysore, India
- ✦ Adequate understanding of GMP, HACCP, ISO, and other international standards and guidelines, related to quality control and quality assurance in food safety
- ✦ Appetite for research, quick grasp, ambitious, innovative, analytical and a collaborator

Key Interests

- ❖ Food inspection and safety
- ❖ Product research and development
- ❖ Research on Nutrition and diet
- ❖ Health care management
- ❖ Public speaking and seminars
- ❖ Event organization

Academic Qualifications

Master of Science in Agriculture, Food and Nutritional Science specializing in Food Science, University of Alberta, Edmonton, Alberta, Canada Jan 2019 – Jan 2021

Courses: Food microbiology, Food safety, Food fermentation and brewing, Sensory analysis, Unit operations, Cereal Science, Bioremediation, Advanced foods

Bachelor of Engineering in Biotechnology NMAMIT, Nitte, Karkala, Karnataka, India Aug 2011 - May 2015

Courses: Microbiology, Biochemistry, Enzyme technology, Forensic science, Bioinformatics, Analytical techniques, Biopharmaceuticals, Genetics and molecular biology, Immunology, Bioethics and bio safety, Bioprocess calculations, Cancer biology

Career Synopsis

Research Assistant, University of Alberta, Canada

(July 2019 – August 2019)

Responsibilities:

- Working on 3D food printing and UV treatment
- Carrying out microbial and other experiments
- Training incoming students in microbiological lab practices and procedures

Senior Systems Engineer, Infosys Ltd, Mysore, India

(Oct 2015 – Oct 2018)

Responsibilities:

- Playing a key role in Software development projects
- Web designing of projects as per client's specifications
- Working in Angular 4, Bootstrap 4, CSS 3, HTML5, PHP, UNIX, and JavaScript
- Training newcomers

Training/ Project Work /Research Work

- Development of 3D printed foods and their drying and decontamination using light emitting diodes
- Screening and Functional Activities of Exopolysaccharides Produced by Lactic Acid Bacteria (2015)
- Bioethanol and Pigments Production from Glycerol using *Rhodotorula Glutinis* (2013)
- Technical training in PHP, HTML, CSS, and python held at Infosys Mysore post-placement (2015)
- Training programs held by i-POINT, India including individual effectiveness labs, organizational effectiveness labs and immersive group workshops

Skill Sets

- **Basic Computer Skills:** Excel, Word and Powerpoint
- **Programming Languages:** Angular 4, Bootstrap 4, CSS 3, HTML5, PHP, UNIX, javascript, OS, DS, RDBMS, Angular JS, OSS, Python and JAVA
- **3D Printing:** Cura, Tinkercad, 3D food printer (FoodBot)
- **Microbiology:** media preparation, plating, serial dilution, sterilization
- **Analytical and instrumentation skills:** LEDs, water activity reader, centrifuge, biosafety cabinet, spectrophotometer, colorimeter
- **Personal skills:** Time management, attention to detail, good written and spoken english, ability to work individually and in a team

Achievements

- Attained sixth position in Crack The Campus tests held at NMAMIT, 2014
- Obtained the third position in the project EXPRO of the Department of Biotechnology held at NMAMIT, March 2015

Extra-Curriculum

- Magazine Editor, Journal Club, NMAMIT, 2012-2015
- Volunteered for Technidarshan, NMAMIT, 2013
- Organized a technical event during Technidarshan, NMAMIT, 2014

Languages

- English
- Hindi
- Konkani

References

- **Dr. Roopesh Mohandas Syamaladevi**
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