SUPUN NAVODA GAMLATH

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PROFILE

"A self-learning programming enthusiast passionate about researching machine learning and designing algorithms targeted to solve real life problems while being updated about the latest tools and technologies."

- Skilled Computer Science undergraduate with over 5 years of experience in Python and C++.
- Completed award-winning projects in robotics and IoT utilizing machine learning, path optimization and computer vision algorithms.
- Freelance web developer for international clients specializing in e-commerce platform development.

CORE SKILLS

- Programming Skills (C++, Java, Python)
- Web Design (React, HTML, CSS, JavaScipt)
- FPGA Design (Xilinx Vivado)
- App Development (Android Studio, React Native)
- Machine Learning (NEAT, TensorFlow)
- Image Processing (OpenCV, Tesseract)
- Robot Development (Arduino, PlatformIO)
- UI/UX Design (Figma)

PROJECTS

TEAM PROJECT
BANKING SYSTEM
Developing a banking system complete with employee, account, and loan management as part of university coursework. Express and NodeJS were used for the backend connecting to a MySQL database while the frontend was implemented with React.

INDIVIDUAL PROJECT
3D PRINTING SERVICE WEBSITE WWW.SPATIA3DPRINTS.COM
An E-commerce website with landing pages, product pages and shopping cart designed for my startup Spatia3D. Customers can order pre-made or custom 3D prints through this website.

TEAM PROJECT
ASSET TRACKING PLATFORM
Developed an IoT platform for monitoring business assets using embedded GPS trackers. PCBs for the GPS hardware were designed using Autodesk Eagle. Software included Arduino for GPS trackers, NodeJS for backend on Google Cloud and React Native for frontend.
Awarded All Island Finalist at IEEE Innovation Nation 2021.

EXPERIENCE

2021 – PRESENT
FOUNDER, STARTUP – SPATIA 3D
Following my passion for 3D printing, I founded Spatia 3D with the goal of providing quality 3D printed parts for hobbyists and designers at an affordable cost.

2021 – PRESENT
FREELANCE TECH LEAD, CBD CONNECT UG
E-commerce platform design, development, and maintenance for CBD Connect UG located in Bonn, Germany.

2016 – PRESENT
FREELANCER, WEB DESIGN | E-COMMERCE | APP DEVELOPMENT
Worked with dozens of international clients on various freelance projects including E-commerce websites, mobile apps, graphic design, and animations.

2022 – PRESENT
RESEARCH ASSISTANT, INTELLISENSE ROBOTICS TEAM | UNIVERSITY OF MORATUWA
Assisting an industry collaborated project to build Xavier, an autonomous multi-robot system that collaboratively maps an area in 3D.

2020 – 2021
TUTOR, MATHEMATICS | PHYSICS
Tutored groups of students studying in science streams for G.C.E. Advanced Level Examinations.

EDUCATION

UNIVERSITY OF MORATUWA
B.Sc. Honors (UG) in Engineering, SGPA – 3.88 (OUT OF 4.00)
Department of Computer Science Engineering

MALIYADEVA COLLEGE KURUNEGALA
G.C.E. Advanced Levels, 3As | Z-SCORE – 2.4352
Physical Science Stream (English Medium)

ROYAL INTERNATIONAL SCHOOL KURUNEGALA
G.C.E. Ordinary Levels, 9As
Primary and Secondary Education (English Medium)

AWARDS AND HONOURS

Dean's List, UNIVERSITY OF MORATUWA | 2022
Faculty of Engineering | Semester 1 & 2

First Place (Team), SLIIT BASHAWAY | 2022
Organized by SLIIT Free and Open Source Community

All Island Finalist (Team), IEEE INNOVATION NATION | 2021

Organized by Institute of Electrical And Electronics Engineers, ICTA and LSEG

First Place, IESL ROBOGAMES | 2020

Organized by Institution of Engineers Sri Lanka and University of Moratuwa

SOFT SKILLS

- Leadership
- Problem Solving
- Adaptability
- Effective Communication
- Teamwork
- Empathy and Positivity

REFERENCES

Prof. Chandana Gamage
Senior Lecturer in Computer Science and Engineering | University of Moratuwa
+94 77748 3643 | chandag@cse.mrt.ac.lk

Dr. Sulochana Sooriyaarachchi
Senior Lecturer in Computer Science and Engineering | University of Moratuwa
+94 7766 91011 | sulochanas@cse.mrt.ac.lk

PERSONAL DETAILS

Interests

- Robotics
- Hiking
- 3D Printing
- Reading
- Volunteering
- Swimming

Citizenship

- Sri Lankan

Language Proficiency

- English (Fluent)
- Sinhala (Fluent)

Social Profiles

- LinkedIn - http://www.linkedin.com/in/supungamlath