SUPUN NAVODA GAMLATH

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PROFILE

A passionate undergraduate with strong interest in embedded systems, edge computing and Internet of Things seeking opportunities to apply and further develop skills.

- 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.

CORE SKILLS

- Programming Skills (C++, Java, Python)
- Web Design (React, HTML, CSS, JavaScipt)
- PCB Design (Eagle, Fusion 360)
- App Development (Android Studio, React Native)
- Machine Learning (scikit-learn, TensorFlow)
- Image Processing (OpenCV, Tesseract)
- Robot Development (Webots, PlatformIO)
- UI/UX Design (Figma)

PROJECTS

TEAM PROJECT
DISASTER ANALYSIS RESPONSE TOOL
Assisted in developing an advanced AI/ML system leveraging geo-spatial data to predict and model damage inflicted upon customer assets in the event of natural disasters. Contributed to UI development using React. Awarded Runners Up at ChallengerX AI/ML incubator program.

TEAM PROJECT
THE JOB HELPERS
Assisting in developing an AI-powered resume review app for The Job Helpers, using Python for the backend and React for the frontend. The app analyzes over 500 resumes monthly, checking grammar, analyzing keywords, and assessing ATS compatibility to provide actionable insights to optimize resumes.

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 – **WWW.SPATIA3DPRINTS.COM**

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 – 2023
WEB DESIGNER, 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.

2021 – 2022
RESEARCH ASSISTANT, INTELLISENSE LAB| 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)

AWARDS AND HONOURS

Dean's List, UNIVERSITY OF MORATUWA | 2023

Faculty of Engineering | Semesters 1, 2 & 3

Runners Up (Team), CHALLENGERX | 2023

AI / ML Incubator program for 6 months organized by IFS and Hatch

Second Place (Team), CYPHER | 2023

Inter University Hackathon organized by General Sir John Kotelawala Defense University

Second Place (Team), REALHACK 4.0 | 2023

Inter University Hackathon organized by University of Kelaniya

First Place, IESL ROBOGAMES | 2022

Robotics Competition organized by Institution of Engineers Sri Lanka and University of Moratuwa

First Place (Team), SLIIT BASHAWAY | 2022

Coding Competition organized by SLIIT Free and Open Source Community

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

Startup Accelerator organized by Institute of Electrical and Electronics Engineers, ICTA and LSEG

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
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Dr. Sulochana Sooriyaarachchi
Senior Lecturer in Computer Science and Engineering | University of Moratuwa
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PERSONAL DETAILS

Interests

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

Citizenship

- Sri Lankan

Language Proficiency

- English (Fluent)
- Sinhala (Fluent)

Online Profiles

- LinkedIn   https://www.linkedin.com/in/supungamlath
- GitHub   https://github.com/supungamlath