NIMETH FERNANDO

SOFTWARE ENGINEERING INTERN

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github.com/nimethfernando

https://nimethfernando.github.io/Personal-Portfolio-with-node/

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PERSONAL STATEMENT

I am a young software engineering undergraduate with a strong passion for technology. I am committed to continuous learning and growth, always seeking out new technologies and approaches to stay ahead of the curve. With my team-oriented mindset and positive attitude, I am confident that I can bring fresh perspectives and creative solutions to any organisation.

EDUCATION

BEng(Hons)Software Engineering   2022- Reading

Informatics Institute of Technology, Sri Lanka, affiliated with the University of Westminster, UK

- First Year Results (Average : 81.3%)
- Second Year Results(Average: 65.6)

GCE A/L Examination & GCE O/L

S.Thomas' College - Mount Lavinia

2007 – 2021

- A/L (Commerce)
- O/L

EXPERIENCE

- **Intern Software Engineer**   2024 June – December
  Orel IT (PVT) Ltd
  - Research on AI Tools and Develop AI Use Cases for Areas for Untapped Market Sectors
  - QA Assessments on I Help Mobile App
  - Workshop on Figma and develop a full User Interaction for a Parking Easy App
  - Developed a Flask-based web application to streamline the comparison of two Excel files
  - created the user flow for an insurance app, incorporating AI integration suggestions to enhance user experience and functionality
  - Created a frontend and API application for office workers by integrating the ChatGPT API key to enhance workplace efficiency.

- **Intern Software Engineer**   2024 December – Present
  Blue Lotus 360

  - Build a cutting-edge RAG chatbot using Azure AI Search to deliver intelligent, context-aware responses.
  - Designed and implemented a chatbot agent using Copilot Studio, leveraging the MCP (Model-Content-Prompt) architecture to deliver accurate and context-aware responses to end users.

PROJECTS

DriveLanka
A mobile application to keep track of vehicle expenses and vehicle errors.
- This mobile application helps keep track of all vehicle expenses. It is powered by an image recognition model to identify dashboard signs and errors. It suggests generic fixes/inspections that can be done according to the error. The backend is hosted on an AWS VM, and a CI/CD pipeline is integrated.

Technology Stack: React-native, MongoDB, Machine Learning, TensorFlow, AWS, CI/CD

Shopping-Manager
A program for product management with a shopping cart.
- A Java program with a frontend which has the capability to input products by an admin. From a customer account, products can be purchased via a shopping cart.

Technology Stack: Java, OOP, Java Swing

Theater Booking System
A program to buy tickets for a movie theatre
- A Java program for a movie theatre that lets customers book a seat and purchase a ticket for a movie.

Technology Stack: Java

University Progression Outcome Predictor
A program to predict progression outcomes at the end of each academic year.
- A Python program to predict the progression outcomes using the student marks that a lecturer inputs.

Technology Stack: Python

Personal Portfolio Website
A personal website to showcase my skills and abilities.
- This portfolio website showcases my projects and personal information and highlights the potential I have to learn and grow in the industry. This is hosted on GitHub.

Technology Stack: HTML, CSS, JavaScript

SKILLS

Java	CSS	Node js	GitHub	TensorFlow
Python	HTML	SQL	AWS	PostMan
JavaScript	PHP	MongoDB	Google Colab	

HACKATHONS

- Participated in Aquathon – A mini hackathon conducted by the IIT IEEE Branch.
- Participated in Idealize 2023 – Ideathon hackathon conducted by AIESEC of UOM.
- Participated in PYHACK 2.0 – Annual coding competition conducted by IEEE WIE Affinity Group of IIT.
- Participated in CodeSprint 8 – Ideathon hackathon conducted by IEEE Student Branch.
- Participated in MoraVentures 6.0 – Ideathon hackathon conducted by Entrepreneurship Society of UOM.

PROFESSIONAL QUALIFICATIONS

- Completed the Gateway School of Computing course (Pearson Assured)
- Completed the Student Tutor Program (Gateway School of Computing Assured)
- Learn Cloud Computing with AWS (Devtown Assured)
- Backend Web Development (Devtown Assured)
- Web Design for Beginners (University of Moratuwa Assured)
- Python for Beginners (University of Moratuwa Assured)

REFEREES

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