

SEMINI SAWBHAGYA

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PERSONAL STATEMENT

I am a motivated Computer Science and Engineering undergraduate with a passion for software development and innovative tech solutions. With full-stack development experience, I enjoy learning new skills, taking on challenges, and working with diverse teams. I aim to grow into a well-rounded professional with strong technical and social skills.

EDUCATION

University of Moratuwa BSc (Hons) in Computer Science and Engineering	2023 – Present Moratuwa, Sri Lanka
Sanghamiththa Balika Vidyalaya, Galle Primary, Secondary and Advanced Level Education	Jan 2008 – Feb 2022 Galle, Sri Lanka
<ul style="list-style-type: none">• G.C.E. A/L 2021: 3A Passes (Z-Score: 2.4466)• G.C.E. O/L 2018: 9A Passes	

PROJECTS

AI-Driven Music Genre and Mood Classification with Personalized Playlist Generation	Ongoing
<ul style="list-style-type: none">• Developed a music mood and genre classification app with personalized playlist generation using deep learning.• Repository: GitHub• Tech Stack: JavaScript, React.js, Vue.js, Python, Node.js, TensorFlow, Keras, Librosa, NumPy, PostgreSQL, JWT	
Aswanna – Blockchain Agriculture Platform	2025
<ul style="list-style-type: none">• Web platform connecting farmers for collaboration and agricultural services.• Repository: GitHub• Tech Stack: React, Framer Motion, React Router, FastAPI, SQLAlchemy, PostgreSQL, WebSocket, Solidity, Gemini, Tavily	
Suwa Diwiya – Smart Digital Health Companion	2 nd Runner Up, TechNovation 2025
<ul style="list-style-type: none">• Provides citizens with faster, more reliable access to healthcare during emergencies.• Repository: GitHub• Tech Stack: React, React Router, FastAPI, MySQL, MongoDB, Gemini, Tavily	
Core Banking Solution (CBS)	2024
<ul style="list-style-type: none">• Platform designed to streamline and optimize core banking functions.• Repository: GitHub• Tech Stack: React, Material-UI, Node.js, Express, MySQL, JWT	
Uni Nest – Boarding Finder for University Students	2024
<ul style="list-style-type: none">• Helps students find, filter, and manage boarding places based on price, type, and location.• Repository: GitHub• Tech Stack: React, React Router, FastAPI, MySQL, JWT	
NanoProcessor – 4-bit Processor Simulation	2024
<ul style="list-style-type: none">• Designed a functional 4-bit nano processor using VHDL, simulated on Xilinx Vivado.• Repository: GitHub	

SKILLS

Languages: Sinhala (Native), English, Japanese	Web Development: React, Vue.js, Node.js, FastAPI, Express, Next.js, Tailwind CSS
Programming: Python, Java, C++, JavaScript	Blockchain: Solidity, Ethereum, MetaMask
Databases: MySQL, PostgreSQL, MongoDB	Tools: Git, Jupyter Notebooks, Microsoft Office, LaTeX
Methodologies: Agile	

HONORS AND AWARDS

TechNovation 2025 - 2 nd Runner Up Organized by SLT Mobitel	2025
HackElite 1.0 Finals - Top 7 Organized by IEEE WIE Student Branch Affinity Group of University of Moratuwa	Oct 2024
Semi-Finals of HackVenture 1.0 Organized by AIESEC IN UNIVERSITY OF KELANIYA	2024

CERTIFICATIONS

Web Design for Beginners Department of Computer Science and Engineering, University of Moratuwa	
Python for Beginners Department of Computer Science and Engineering, University of Moratuwa	
Data Science and Machine Learning Basic to Advanced Udemy	Jan 2025
The Complete C Programming Course Basic to Expert Udemy	Jul 2024
MySQL for Beginners: A Complete Training for beginners Udemy	Jul 2024
Complete JAVASCRIPT with HTML5,CSS3 from zero to Expert Udemy	Jun 2024
Certificate Course in Engineering Technology Department of Science and Technology, American Standard Educational Council Completion	2022

VOLUNTEERING

IESL Student Chapter, University of Moratuwa <ul style="list-style-type: none">• Committee Member – Mora Wings• Co-Chair – Quandrex Career Compass 2025	2024 – Present
IESL RoboGame 2024 (Dept. of CSE) Organizing Committee Member	2024 - 2025
IEEE WIE Student Branch Affinity Group of University of Moratuwa Event coordinating committee member	2024 -Present
Maths Society, University of Moratuwa <ul style="list-style-type: none">• OC Member (Academic Pillar) ENIGMA Coding Competition 24'• OC Member (Educational Pillar)Mathematics Day , Orientation 24'• Competiotion team(member) EXMO 23'	2024 – 2025
IEEE Computer Society Student Branch Chapter of University of Moratuwa Design Committee member	2024 -Present

REFERENCES

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