

SHRRUTI MADHUSUDHAN

Student at Nanyang Polytechnic | Machine Learning Enthusiast, Innovative thinker and competent coder

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ABOUT ME

A curious and innovative technologist with a strong foundation in cloud solutions, data analytics, software development, and leadership. I bring a positive attitude, adaptability, and a collaborative mindset to every project, thriving in team environments and contributing to impactful solutions. With a passion for continuous learning, I am eager to expand my skill set, take on new challenges, and drive meaningful change through technology and sustainability.

WORK EXPERIENCE

Sales Associate, Zara

March 2023 - April 2023

- Delivered outstanding customer service by assisting customers with their shopping needs.
- Utilized RFID technology on the shop floor to streamline operations and enhance the shopping experience.

Subject Tutor, Success.NAT Tuition Centre

Sept 2023 - Oct 2023

- Educated and guided students through coursework, tailoring teaching methods to individual learning needs.
- Developed detailed lesson plans and provided one-on-one instruction to enhance understanding.
- Assisted students in exam preparation, fostering confidence and improved academic performance.
- Utilized strong communication skills and patience to create a supportive learning environment.

EDUCATION

Nanyang Polytechnic

April 2023 - Present

- Diploma in Business and Financial Technology
- Grade: **Current GPA: 3.77 | Cumulative GPA: 3.67**

Pasir Ris Crest Secondary School

Jan 2019 - Dec 2022

- Advanced Placement subjects: Chemistry, Biology, Physics and Additional Mathematics
- Completed GCSE "O" Level examinations and scored **L1R5 - 14 points**

POSITIONS AND HONOURS

Nanyang Polytechnic

Apr 2023 - Present

- Appointed **Class Representative** for Year 1, Semester 2 (Oct 2023 - Feb 2024), showcasing strong organizational skills and trustworthiness.
- **Vice-President** of the Google Developer Student Club (GDSC), reflecting a keen interest in technology, development, and collaboration.
- **President** of the Ambassadorial Team, leading a student organization and enhancing leadership abilities.
- Named to the **Director's List** for Year 1, Semester 2 and Year 2 Semester 1, an honor reserved for the top 15% of students.
- Actively involved in well-established mentorship programs such as Harvard Business School Mentorship, United Women Singapore x CitiBank STEM Mentorship and Microsoft's Code without Barriers Program
- Won **multiple hackathons** including GovTech's Geekout 2024, Alibaba Cloud STARTATHON, United Women Singapore Capstone Challenge and SDG Openhack 2024

FEATURED PROJECTS

Business Analytics Project, Outstanding Presentation Accolade

- Developed a comprehensive data analysis dashboard for waste management, utilizing Tableau to create **impactful visualizations** and uncover actionable insights, addressing key environmental challenges in Singapore.
- Earned the Outstanding Presentation accolade, demonstrating exceptional storytelling, data interpretation, and effective communication of findings to stakeholders.

Cloud Computing Final Project, Distinction Grade

- Took Cloud Computing module and designed a **comprehensive** cloud architecture diagram for an SME, incorporating AWS services like VPC for network security, S3 for scalable storage, and RDS for database management.
- Delivered an exceptional project that included cost optimization using the AWS Pricing Calculator, earning a distinction for the module due to its technical depth, efficiency, and scalability.

SKILLS

Soft Skills

- Leadership and collaboration
- Adaptability and problem-solving
- Effective communication
- Time management and organization
- Critical thinking and creativity

Hard Skills/Technical Capabilities

- **Programming:** Python, JavaScript, Solidity, C#,
- **Web Development:** React.js, HTML, CSS, Bootstrap, ASP.NET
- **Cloud Computing:** AWS (VPC, S3, RDS, Lambda, Pricing Calculator) and Google Cloud (Vertex AI, Looker, Big Query)
- **Data Analytics:** Tableau, Excel, Tableau Prep, Power BI
- **Machine Learning & AI:** Model training, data preprocessing, supervised and unsupervised learning, AI-driven personalized feedback systems, encoder-decoder architectures, and fine-tuning BERT models for NLP tasks.
- **Blockchain Development:** Smart contracts, decentralized platforms
- **Database Management:** MySQL, normalization, indexing, RDS
- **UI/UX Design:** Figma prototyping, user-centric design principles
- **Financial and Accounting Concepts:** Cost optimization analysis, basic accounting principles and financial modeling

CERTIFICATES AND BADGES

Artificial Intelligence and Machine Learning

- Google - Generative AI: Encoder-Decoder Architecture, Attention Mechanism, Transformer Models, and BERT Models
- Alibaba Cloud - Dive into Generative Artificial Intelligence Badge
- Machine Learning Foundations Badge (AWS)
- AI4L - AI Literacy Certification

Cloud Computing

- Google Cloud Fundamentals: Core Infrastructure (48-hour rigorous course)
- Amazon Web Services - Cloud Fundamentals Badge
- Introduction to Cloud 101 Badge (AWS)

Cybersecurity

- IBM Cybersecurity Fundamentals Badge