SAUMYA SHAH

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EDUCATION

National University of Singapore (NUS), Singapore   **Aug 2022 - May 2026**
Bachelor of Computing in Computer Science (Honours)
- NUS College | Minor in Astronomy
- Cumulative Average Point: 4.57 (Out of 5.0)

Fountainhead School, India   **May 2020 - May 2022**
International Baccalaureate Diploma Programme
- Valedictorian (2022) | IBDP Score: 44/45
- Pearson BTEC Level 3 Subsidiary Diploma in Information Technology

EXPERIENCE

Web Developer (intern), Sham Machinery Stores, Buldhana, India   **Feb 2021 - Nov 2021**
- Developed and maintained a dynamic inventory management platform (PHP, HTML, CSS, JS, and MySQL), helping transition from a paper-based inventory system, and reducing stock-out rates by 25 per cent.
- Presented and evaluated multiple designs as well as the final website in consultation with the client and 20 users.

Web Developer (intern), EssTeam Design Services LLP, Surat, India   **Oct 2019 - Jan 2020**
- Developed a web app (PHP, HTML, CSS, JS, and MySQL) for an architect promoting green construction, allowing other architects to co-ordinate and donate excess construction materials.
- Presented and evaluated multiple designs as well as the final website in consultation with the client and 15 end-users.

Developer (intern), NJ Technologies, Surat, Gujarat, India   **Feb 2019 - Mar 2019**
- Developed and maintained new features in a software product line using Java and MySQL, increasing its efficiency.
- Trained for and refactored financial software solutions with a team of 5 using Java.

Web Developer (student), Fountainhead School, Surat, India   **Oct 2018 - Jan 2019**
- Developed and maintained a book review forum (PHP, HTML, CSS, JS, and MySQL), allowing users to rate and recommend books to others.

GEA1000N Student Assistant, National University of Singapore, Singapore   **Aug 2023 – Aug 2024**
- Organised and developed teaching materials for sessions to assist students with quantitative reasoning and computational concepts using R and MS Excel.

SKILLS

- Languages & Frameworks: HTML | CSS | Javascript | Java | React.js | PHP | Python | Flask | PyTorch | PyTorch Lightning | SciKit Learn | TensorFlow | SQL | Ruby | Rails | jQuery | SymPy
- Software Knowledge: MATLAB | Microsoft Office Suite | Git | Postman | Radiant | Canva | AWS

PROJECTS

- **GitHub Profile**: https://github.com/LordSaumya/
- **StarSnap** | An integrated React web app consisting of a multiclass classification neural network to identify constellations, an astrophotography forum, a learning tab, and a personal gallery of astronomy photos.
- **DeepIron** | A machine learning library with deep learning features built in Rust.
- **Machine Learning Exploration Blog** | An ongoing blog documenting a variety of investigations into machine learning architecture and algorithms and their applications in everyday life.
- **HighGear** | A React web forum using a REST API built on Rails.
- **Curve Fitter** | A Python web app to optimise a selected function to fit the given data points.
- **Sustainable Water Pod** | A modular seawater desalination and rainwater harvesting system created for the Engineering Innovation Challenge 2023 organised by Science Centre Singapore.

ACTIVITIES

General Secretary, NUS Astronomical Society, Singapore   **August 2023 - Present**
- Managed recruitment and administrative records, liaised with external sponsors, and organised events for the NUS Astronomy Society consisting of 500+ members.