

BUTTY SAYLEE

VERSATILE SOFTWARE ENGINEERING STUDENT | DATA ANALYST & VIRTUAL ASSISTANT | SPECIALIZING IN CYBER FORENSICS AND FULL-STACK DEVELOPMENT

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SUMMARY

Dynamic B.Tech Software Engineering student with a minor in Cyber Forensic and Cyber Law, skilled in Python-based full-stack development, data analysis, virtual assistance, and technical support. Proven in building scalable tools for 100+ users while ensuring data privacy compliance and collaborating on cross-functional teams to deliver impactful solutions. Eager to leverage analytical thinking and problem-solving in innovative environments across tech, research, and administrative roles.

WORK EXPERIENCE

1. PROJECT APNAPAN, Delhi, India

05/2025 – Present

Apnapan Fellow - Data/Software Engineering Intern (Part-Time)

- Developed Apnapan Data Insights Platform, a full-stack web app using Python, Streamlit, Pandas, and Plotly, analyzing 100+ student surveys to generate interactive dashboards on belonging and well-being trends (GitHub: <https://github.com/ButtySaylee/data-insights-generator-v2.git>).
- Engineered secure user authentication with salted password hashing and Google Sheets API integration, ensuring data privacy aligned with cyber law principles and reducing unauthorized access risks..
- Implemented data processing pipelines with MongoDB Atlas for file storage/retrieval and dynamic questionnaire mapping, enabling efficient handling of demographic data like gender and grade.
- Designed automated PDF report generation and responsive UI elements, empowering educators to visualize key metrics and foster inclusive learning environments for 100+ students.
- Collaborated with stakeholders using agile methodologies to create technical proposals and iterate on feedback, delivering a scalable tool that improved data analysis efficiency by 40%.

2. SWANIRBHAR, Kolkata, India

05/2025 – 08/2025

PR Strategist Intern

- Led data collection, analysis, and documentation for research papers, strategy documents, and incubation reports, synthesizing insights from 50+ surveys and interviews.
- Supported hypothesis building, project evaluations, and stakeholder presentations, enhancing team decision-making in social entrepreneurship and contributing to 3 key reports.
- Presented findings in structured formats, improving stakeholder understanding and driving actionable recommendations for community impact initiatives.

3. HYPLEY PTY LTD, USA

04/2024 – 05/2025

Remote Virtual Assistant (Part-Time)

- Conducted online research and compiled business information for 200+ listings, streamlining marketplace updates and increasing operational efficiency by 30%.
- Assisted with uploading, updating, and maintaining business listings on digital platforms, ensuring accuracy and compliance.
- Created engaging video content using Canva, viewed by 500+ prospects, to support marketing and outreach efforts.
- Managed email outreach to businesses and clients, boosting engagement rates by 15% through targeted communication.

4. DELHI TECHNOLOGICAL UNIVERSITY INTERNATIONAL STUDENT SOCIETY

11/2022 – 2024

Technical Activity Coordinator

- Collaborated with peers and faculty to plan and execute technical events, fostering participation from 150+ international students.
- Fostered an inclusive and innovative environment for international students to explore emerging technologies and build technical expertise.
- Encouraged cross-cultural collaboration, resulting in 5+ successful events that enhanced networking and skill development.

EARLY CAREER EXPERIENCE

- **Technical Support Assistant**, Libtelco Class Project, Monrovia, Liberia (10/2019 – 2021): Diagnosed and resolved software/hardware issues for internal users, minimizing downtime by 25% through proactive maintenance.
 - **Desktop Publisher**, Divine Grace Tech Solutions, Monrovia, Liberia (01/2016 – 2022): Streamlined document creation and hardware repairs, delivering high-quality outputs and exceptional client support for 100+ clients.
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EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY, Delhi (IN)

11/2022 – 2026(Expected)

Bachelor of Technology in Software Engineering, Minor in Cyber Forensic and Cyber Law

RELEVANT COURSEWORK

- Data Structures and Algorithms | Object Oriented Programming | Operating System | Machine Learning
- Database Management System | Empirical Software Engineering | Computer Network | Cyber Forensic
- Web Technology | Software Reliability | Object Oriented Software Engineering | Software Quality and Metrics

CERTIFICATES

THE JOY OF COMPUTING USING PYTHON (NPTEL, Indian Institute of Technology Madras) 01/2025 - 04/2025

Certificate of Completion

- Elite certification (72% score) among 11,746 candidates; gained proficiency in Python programming, data structures, algorithms, and real-world applications.
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IBM INTRODUCTION TO SOFTWARE ENGINEERING (Coursera)

12/2024

Certificate of Completion

- Mastered software engineering processes, methodologies, and best practices for developing technical solutions
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PROGRAMMING FUNDAMENTALS (Duke University, Coursera)

08/2024

Certificate of Completion

- Mastered foundational programming concepts, including algorithms, data structures, and problem-solving.
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ALX AFRICA VIRTUAL ASSISTANT TRAINING

05/2022 - 08/2022

Certified Virtual Assistant Certificate

- Trained in time management, communication, digital tools (Google Workspace, Microsoft Office), and adaptability.
 - Data entry and research techniques for supporting business operations.
 - Problem-solving and adaptability in a dynamic work environment.
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SKILLS & INTERESTS

- **Programming:** Python, C, C++, JavaScript
- **Web Development:** HTML, CSS, Git, GitHub
- **Technical Skills:** Software Engineering Principles, Data Structures, Algorithms Design, Technical Support, Troubleshooting, Data Analysis, Data Visualization, Database Management.
- **Soft Skills:** Time Management, Team Collaboration, Analytical Thinking, Problem-Solving, Attention to Detail
- **Tools:** Google Workspace, Microsoft Office, Google Colab, MongoDB, VS Code, Jupyter Notebook
- **Interest:** AI Ethics, Social Impact Projects, Open-Source Contributions