Supriya Bandal

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✳ Links: [GitHub](#) | [LinkedIn](#) | [YouTube Content Creation on CSE](#)

Seeking a **Spring 2024 internship** to apply and expand my expertise in computer science and engineering, while contributing to a dynamic team in a collaboration and innovative environment. I have expertise in **Python, C++, AWS services, SQL, Angular, Version Controls.**

EDUCATION

University of Nevada, Reno   **Aug 2022 – May 2024(expected)**
- **Master of Computer Science and Engineering GPA: 3.3/4.00**
- **Coursework:** Analysis of Algorithm, Operating System, Database Management System, Cloud Computing (AWS/Azure), Full Stack, Digital Forensics and Cybersecurity, Cryptography and Blockchain, Robotics.
- **Teaching Assistant for Computer Organization:** C/C++, GPU, CPU, VisUAL Simulator, Assembly coding, Teaching, Grading

University of Mumbai, Mumbai, India   **Aug 2015 – May 2018**
- Bachelor of Textile Technology **GPA: 3.2/4.0**

WORK EXPERIENCE

Sahayog Apollo Software Engineering Intern (USA-Remote)   **August 2023 – Current**
- **Automated Ad Revenue Model:** Developing a Netflix-inspired media streaming ad revenue model with automation using Mongo DB, Python Scripting for scene detection & metadata, AWS, node.js (backend), Angular(frontend), Content delivery via a CDN.
- Visualization and Collaboration with Tableau, practicing Agile methodology and Scrum, and managing projects on GitHub.

Reliance Industries Limited, India (4+ years)

Manager DP Analyst/ Supply Chain Management, Mumbai   **Sept 2021 – August 2022**
- Streamlined data analysis and inventory allocation for 5 Sales RO divisions, integrating data from 3 mfg. plants.
- Developed sustainable production planning model "E-commerce Aspen-Tech" improving efficiency by 20%.
- Contributed to an integrated Tableau dashboard, enhancing data analysis capacity by 30%.
- Tools/Skills: Advance excel database & planning, SAP, Supply Network Planning model (SNP), PowerBI, Tableau.

Manager Technical Engineering Services, Silvassa   **Dec 2018 – August 2021**
- Performed daily data analysis metrics with Aspen-Tech, generating trend reports and taking corrective actions.
- Led and trained a team of 6 in daily Product management, Quality checks, SOP and daily Reports creation.
- **Project:** Product development in POY textile product, increasing market share by 5%.
- **Project:** Developed 'Aspen-Tech Trend Model' data analysis solutions, improving efficiency by 25%.
- **Project:** Managed $135k project automating 'Utility Mass Balance Model,' enhancing utility generation and allocation.
- Tools/Skills: MATLAB, Advanced Excel, PowerPoint, TMT/BARMAG Tech, Verbal, Written, Problem Solving.

Graduate Engineering Trainee (GET), Surat   **July 2018 – Nov 2018**
- Promoted to Manager in Technical Engineering Services at Silvassa Mfg. Division (SMD) for outstanding performance.
- Received in-depth training in areas including Robotics, Automation, Instrumentation, Mechanical Motors, Electrical Relays, Chemical Processes, Textile Technologies, Testing Instrumentation, Fire Safety, and Health Security.
- Software/Tools: Microsoft Word, Excel, PowerPoint

TECHNICAL SKILLS

LANGUAGES /TECHNOLOGIES
Python| Java| C/C++| JavaScript | HTML| CSS| SQL| Node.js| Angular| AWS /Lambda/Rekognition| Bootstrap| VS Code| Linux /Unix
PROJECTS SELECTED:
AWS Rekognition:
- Built an Image Recognition Pipeline Project using AWS Function as a service. Pipeline detects the Car object and Text from the images in S3 and send communication to SQS if detected and stores the result in text file.
- **Tools:** Python, Boto3, Cloud EC2 instances, ML Rekognition API, Lambda Function, JSON, FaaS, SaaS, IaaS
- **Project link:** https://github.com/supriyabandal2012/AWS-Image-Rekognition-Pipeline

ProfileCreate:
- Created a personalized profile Flask web application in HTML, incorporating web development & CSS design skills. Deployed and hosted the website on the **Heroku** platform, ensuring its accessibility and availability to a global audience.
- **Tools**: HTML, CSS, Flask, Docker Containerization, Virtualization, GitHub, Requirement.txt.
- **Project link:** https://github.com/supriyabandal2012/Flask-app

StoreManager:
- Developed a dual-interface application using Phoenix Framework and Elixir for HR and Store Manager dashboards, with HR having login authentication. HR dashboard allows employee entry, while Store Manager dashboard covers inventory, pricing, vendor management, with HR having view access. Implemented Phoenix PubSub for live broadcasting.
- **Tools:** Phoenix Framework, Elixir, HTML, Jason, Tailwind CSS, PostgreSQL, Version Control
- **Project link:** https://github.com/supriyabandal2012/Phoenix-HumanResources-StoreManager