

# GOWTHAM KUMAR SOLLETI

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## EDUCATION

**Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science** **Binghamton, NY**  
*Master of Science in Computer Science* *May 2024*  
**Cumulative GPA:** 3.51 / 4.00  
**Coursework:** Database Systems, Cloud Computing, Data Mining, Computer Security, Design and Analysis of Algorithms, Operating systems, Programming Languages (Scheme, Prolog, Haskell), Design Patterns, Computer Architecture, Software Project Management

**Visvesvaraya Technological University** **Belagavi, India**  
*Bachelor of Engineering in Computer Science* *July 2022*  
**Cumulative GPA:** 3.70 / 4.00  
**Coursework:** Data Mining and ML, Quantum Cryptography, Big Data Analytics with Hadoop, Advanced Database Systems

## TECHNICAL SKILLS

**Languages:** Python, Java, C++, MySQL, Solidity  
**DevOps & Cloud Technologies:** AWS (EC2, EKS, ECS, VPC, API, CloudFormation), AZURE, GCP, Docker, Kubernetes, Terraform, CI/CD  
**Full stack & Web Development:** HTML5, CSS3, JavaScript, jQuery, Node.js, Express.js, RestAPI's, PostgreSQL, React, Web3, Bootstrap  
**Operating Systems:** Windows, MacOS, Linux, Ubuntu  
**DB and other:** GIT, PyTorch, Pandas, NumPy, GitHub, Tableau, Jupyter, Matplotlib, PySpark, Flask, Django, SQL Server  
**Certifications:** AWS Certified Associate Developer (Mar 2024), AWS associate Solutions Architect (Mar 2024), Introduction Machine Learning - Stanford University (Sept 2020), Introduction to IoT – Stanford University (Sept 2021)

## PROFESSIONAL EXPERIENCE

**Lecherro** **Binghamton, NY**  
*Full-Stack Developer* *December 2023 – May 2024*

- Sketched an innovative e-commerce platform facilitating daily delivery of fresh milk to urban consumers, addressing the gap in availability of pure, unprocessed milk.
- Implemented a subscription model allowing users to schedule daily deliveries within a 15-minute timeframe, utilizing strategically located Lecherro spots every 5km radius for efficient distribution.
- Interspersed Flask, HTML, CSS, and AWS services (RDS, S3, CloudFront) for a seamless user experience, bolstered by 24/7 customer support via the chatbot "Your Lecherro," enhancing user satisfaction and engagement.
- Achieved an 80% increase in user engagement by emphasizing organic and fresh milk options, demonstrating consumer preference for healthier alternatives over processed varieties.

**Sodexo** **Binghamton, NY**  
*Software Developer Intern* *August 2023 – December 2023*

- Designed a website with a team of 5 for Binghamton University Dining Services using ReactJS and JavaScript, resulting in a 50% increase in order counts compared to the previous year.
- Developed a seamless online platform that streamlined event and catering registrations, reducing the time and effort required for high-profile users.
- Integrated AWS services including RDS, Route 53, S3, and CloudFront to ensure low latency and high reliability for user interactions and IBM Watson Cloud's chatbot service to enhance user support and interaction.
- Facilitated easier event planning and poster orders through an intuitive web interface, significantly improving the user experience for Binghamton University event organizers.

**Tavant Technologies** **Bangalore, India**  
*Artificial Intelligence Intern* *January 2022 – July 2022*

- Collaborated with the AI research team, applying data science principles to develop a predictive customer segmentation model that increased targeted marketing effectiveness.
- Implemented data science lifecycle methodologies to clean and pre-process six OEM datasets, merging them into a cohesive dataset using NumPy and Pandas, increasing data accuracy and streamlining analysis.
- Devised and executed a machine learning algorithm, powered by a random forest model, to price service contracts for vehicles, leading to 25% revenue growth and improvement in pricing accuracy.
- Improved accuracy levels throughout the internship, reaching a peak of up to 95%.

## PROJECT EXPERIENCE

**Decentralized Time Capsule on AWS, Independent | Binghamton, NY** **May 2024 – Present**

- Developed a React based application enabling individuals and government bodies to create decentralized time capsules for storing digital memories, messages, and documents for future selves or family members.

**E-Voting Decentralized application, Independent | Binghamton, NY** **October 2023 – May 2024**  
[Link](#)

- Launched an E-Voting Decentralized Application leveraging blockchain technology for secure, transparent, and tamper-proof voting processes, ensuring integrity and anonymity.
- Exploited Amazon Managed Blockchain, AWS Lambda, S3, Cognito, KMS, and other services for secure storage, user authentication, cryptographic security, and tokenized access and smart contracts for core voting functionality.

**Audio Room, Independent | Binghamton, NY** **January 2023 – May 2023**  
[Link](#)

- Architected a cloud-based audio room with WebRTC, network protocols, and server architecture, empowering remote teams with superior communication.
- Enhanced user experience and engagement by deploying inventive features, resulting in a 30% rise in engagement and a 20% decline in complaints.

## PUBLICATIONS

Naveen, D., Subhashi, S. J., Kumar, S. G., & Vishnu, S. S. (2022). COVID salvation: A theoretical model for Predicting coronavirus from chest radiology imagery. International Journal of Health Sciences,6(S5), 3836–3853. <https://doi.org/10.53730/ijhs.v6nS5.9453>