

**Sai Sankar Bhuvanapalli**  
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## EDUCATION

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- **Florida State University** Aug 2023 – May 2025  
*Master of Science in Computer Science* GPA: 3.83/4.0
  - Relevant Coursework: Machine Learning, Artificial Intelligence, Advanced Database Systems, Advanced Operating Systems
- **Jawaharlal Nehru Technological University, Hyderabad** Aug 2017 - Jul 2021  
*Bachelor of Technology in Computer Science & Engineering* GPA: 3.14/4.0
  - Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Cloud Computing, Machine Learning

## TECHNICAL SKILLS

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- Programming Languages: Java, Python, SQL, JavaScript, C++, C, Prolog
- Web Technologies: React Native, HTML, CSS
- Cloud Tools: AWS Lambda, AWS CloudFormation, Amazon RDS, S3, CloudWatch, SNS, SQS, Jenkins, GitHub Actions, AWS IAM, Secrets Manager, Step Functions.

## WORK EXPERIENCE

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- **Florida state University ITS** Jun 2024 – Present  
*Tallahassee, Florida* Data Intern
  - Entered and managed over 10,000 records with 99% accuracy across company databases, streamlining data handling.
  - Assisted in the preparation of 5+ data analysis reports monthly, aiding in strategic decision-making for various departments.
  - Optimized data entry processes, reducing entry time by 15%, improving overall operational efficiency.
  - Conducted weekly quality control checks on entered data, maintaining 100% data integrity.
  - Created high-level, Excel-based reports tailored for senior executives, incorporating key visual aids to support data-driven decisions.
- **Infosys** Jul 2021 – Aug 2023  
*Hyderabad, India* Systems Engineer
  - Developed and deployed 20+ CloudFormation scripts, improving infrastructure scalability and reducing deployment time by 30%.
  - Consolidated 1000+ records from diverse sources into a unified Amazon S3 storage system, enhancing data accessibility.
  - Converted 5 FTP pipelines to SFTP, improving data security and efficiency across the project.
  - Created AWS Lambda functions that handled over 1 million database queries monthly, reducing query processing time by 25%.
  - Designed and implemented a monitoring pipeline that sent alerts and created service tickets for system failures, reducing downtime by 40%.

## PROJECTS

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- On Analyzing Graphs with Motif-Paths
  - Implemented algorithms in C++ that increased the speed of graph analysis by 20%, focusing on motif-path-based node centrality and graph clustering.
  - Conducted 10+ experiments on real-world datasets such as protein-protein interaction networks, validating performance gains.
- Facial Recognition System Mobile Application
  - Developed a cross-platform mobile application using React Native, achieving 85% accuracy in facial recognition.
  - Processed 100+ facial images for daily class attendance, successfully reducing manual entry time by 50%.
- Twitter Sentiment analysis
  - Built a sentiment analysis tool to classify 5,000+ tweets into Positive, Negative, and Neutral categories, attaining 80% accuracy on a wide range of topics.