

Sarat Chandra Vanam

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EDUCATION

Pace University	New York, NY
Master of Science in Computer Science GPA: 4.0	January 2023 – December 2024
<ul style="list-style-type: none">• Coursework: Algorithms, Enterprise Computing, Mobile Web Content and Development, Database Systems• Award: Graduate Merit Scholar (\$12,000 scholarship)	
GITAM University	India
Bachelor of Technology in Computer Science GPA: 8.0/10.0	June 2017 – May 2021

EXPERIENCE

Software Developer Intern	October 2024 - Present
Con Edison	New York, NY
Software Engineer Intern	June 2024 – September 2024
YMCA	New York, NY
<ul style="list-style-type: none">• Developed a robust internal Procurement Management application used by 1500+ users utilizing Retool software• Optimized JS and SQL queries increasing performance by 10% to fetch and manipulate data from SQL database hosted on Amazon RDS• Created a registration workflow to automate the existing process and integrated with AWS S3 for file storage	
FullStack Engineer Intern	February 2024 – June 2024
Winions.gg	Remote
<ul style="list-style-type: none">• Developed REST API using FastAPI and created UI components enhancing user experience utilizing React• Designed and maintained comprehensive test cases using PyCharm, ensuring code reliability and robustness	
Graduate Teaching Assistant	January 2024 – Present
Pace University	New York, NY
<ul style="list-style-type: none">• Provide tutoring to 140+ students and hold office hours for 3 undergraduate and graduate level courses• Assessed homework, assignments, projects and exams delivering constructive feedback for enhanced learning	
Software Engineer Intern	February 2022 – November 2022
Amrita Herboceuticals	India
<ul style="list-style-type: none">• Integrated PayPal's SDK and OAuth payment gateway for secure transactions increasing product sales by 20%• Implemented email functionality using SendGrid API to process account verification and password resets• Optimized MongoDB queries, achieving a 30% database load reduction using compound indexes and projections	
Systems Engineer	June 2021 – December 2021
Tata Consultancy Services	India
<ul style="list-style-type: none">• Spearheaded decommission of 300+ servers resulting in streamlined server management and cost savings by 10%• Delivered fixes to high priority issues for VMware based systems by swiftly troubleshooting, maintaining 0% downtime and uninterrupted operations• Enhanced the VMware environment by creating standardized procedure documentation, which increased operational efficiency and facilitated knowledge sharing among team members	

SKILLS

Languages: Java, JavaScript, Python, C++, SQL, C, HTML/CSS
Frameworks: React.js, Node.js, FastAPI, Express, Ionic, Material-UI, Tailwind
Databases: SQL, MySQL, NoSQL, MongoDB, DynamoDB
Tools: Git, Docker, Postman, AWS, Jira, Jenkins, Retool, VMware, ServiceNow, Figma

PROJECTS

QuickBook <i>React, NodeJS, Express, MySQL, MongoDB, Redis</i>
<ul style="list-style-type: none">• Built a full-stack application using NodeJS, React with Express serving as REST API and Redis for caching• Facilitate users to search for events, book/cancel tickets, and receive confirmation emails using message queue
MovieVerse <i>React, NodeJS, Axios, Tailwind</i>
<ul style="list-style-type: none">• Created a single-page web application using React featuring client side routing and add to watch-list feature• Leveraged Axios to make API calls to render data and implemented comprehensive search functionality